



**UNIVERSITÀ
DEGLI STUDI
DI TRIESTE**

Dipartimento di
**Matematica, Informatica
e Geoscienze**

MASTER'S DEGREE IN

Data Science and Artificial Intelligence

**academic year
2026/2027**

Ministerial Class LM Data





STUDY PROGRAMME

2026/2027 cohort

The Master's Degree in Data Science and Artificial Intelligence has five curriculums:

- ⇒ **FOUNDATIONS OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**
- ⇒ **DATA SCIENCE AND ARTIFICIAL INTELLIGENCE FOR INDUSTRY AND DIGITAL TWINS**
- ⇒ **DATA SCIENCE AND ARTIFICIAL INTELLIGENCE FOR HEALTH AND LIFE SCIENCES**
- ⇒ **DATA SCIENCE AND ARTIFICIAL INTELLIGENCE FOR ECONOMY AND SOCIETY**
- ⇒ **HIGH PERFORMANCE COMPUTING FOR DATA SCIENCE AND ARTIFICIAL INTELLIGENCE**

CURRICULUM IN FOUNDATIONS OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

The curriculum in **foundations of artificial intelligence and machine learning** trains experts in modern artificial intelligence techniques, in particular in Machine Learning techniques. Students will acquire skills in statistics and modelling, machine learning and classical artificial intelligence, intensive computation and advanced programming.

1st YEAR (60 ECTS)

COURSE	ECTS	DISC.	TYPE
One course of your choice between A1 and A2			
• A1 – Advanced Programming for Computational Science (*)	6	IINF-05/A	B
• A2 – Machine Learning Operations	6	IINF-05/A	B
One course of your choice between B1 and B2			
• B1 – Introduction to Machine Learning (*)	6	IINF-05/A	C
• B2 – Optimization for Artificial Intelligence	6	MATH-06/A	B
One course of your choice between C1 and C2			
C1 – Algorithmic Design (*)	6	INFO-01/A	B
• Module A – Introduction to Algorithms	(3)		
• Module B – Data Mining	(3)		
C2 – Algorithmic Data Mining	6	INFO-01/A	B
• Module A – Data Mining	(3)		
• Module B – Advanced Algorithms	(3)		
D – Statistical Methods	9	STAT-01/A	B
E – High Performance and Cloud Computing	9	IINF-05/A	B
F – Probabilistic and Deep Machine Learning	12	INFO-01/A	B
• Module A – Probabilistic Machine Learning	(6)		
• Module B – Deep Learning	(6)		
G – Reinforcement Learning	6	INFO-01/A	B
H – Ethics and Law of Data and Artificial Intelligence	6	PHIL-03/A GIUR-11/A	B

2nd YEAR (60 ECTS)

COURSE	ECTS	DISC.	TYPE
One course of your choice between I1 and I2			
• I1 – Optimization for Artificial Intelligence	6	MATH-06/A	B
• I2 – Elective course from among group A and B	6		C
One course of your choice between J1 and J2			
• J1 – Data Management (*)	6	INFO-01/A	C
• J2 – Elective course from group B	6		C
K – Elective course from group A	6		C
L – Elective courses	12		D
M – Internship	12		F
N – Thesis	18		E

Elective courses of type A, B or C can also be included in the study programme. You must select them from the following groups:

GROUP A ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Responsible and Fair Artificial Intelligence	6	INFO-01/A	C
Explainable, Causal and Neuro-Symbolic Artificial Intelligence	6	INFO-01/A	C
Multi-Agent Systems	6	INFO-01/A	C
Safe and Verified Artificial Intelligence	6	IINF-05/A	C

GROUP B ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Unsupervised Learning	6	PHYS-06/A	C
Computer Vision and Pattern Recognition	6	IINF-04/A	C
Advanced Deep Learning and Kernel Methods	6	INFO-01/A	C
Natural Language Processing	6	INFO-01/A	C
Advanced Statistical Methods	6	STAT-01/A	C
Information Retrieval and Data Visualisation	6	INFO-01/A	C
Advanced Data Management	6	INFO-01/A	C
Scientific Machine Learning and Simulation Intelligence	6	INFO-01/A	C

You can include elective courses of type D in your study programme by choosing them from the table below.

ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Any course from the tables above.			D
Information Theory	6	INFO-01/A	D
Stochastic Modelling and Simulation	6	INFO-01/A	D
Mathematical Optimisation	6	MATH-06/A	D
Bayesian Statistics	6	STAT-01/A	D
Machine Learning Operations	6	IINF-05/A	D
Software Development Methods	6	IINF-05/A	D
Advanced High Performance Computing	6	INFO-01/A	D
Introduction to Artificial Intelligence	9	INFO-01/A	D
Numerical Methods for Machine Learning	6	MATH-05/A	D
Quantum Machine Learning	6	INFO-01/A	D
Other courses (****)			D

(****) Other courses can belong to any academic discipline.

Please note that the list may change from year to year. You must check which courses are available in the relevant year.
(*) You cannot choose this course if your three-year study programme already includes another course with similar content.

Choices A, B, C and J must also take into account students' prior knowledge, which will be assessed by the Education Committee. Suggestions will be made during the admission process.

Choices must take into account requirements concerning type of activities and academic disciplines. Please refer to the table below.

Educational activities	Academic disciplines	Discipline codes	ECTS	
B – Advanced concepts and skills	Mathematics and statistics	MATH-06/A , STAT-01/A	15	60
	Information and computer science	INFO-01/A , IINF-05/A	39	
	Law, business, linguistics and social sciences	GIUR-11/A , PHIL-03/A	6	
C – Complementary subject				18
D – Elective courses				12
F – Internships	Internship / seminars / workshops			12
Thesis				18

40 ECTS/year part-time study programme: we propose the following three-year division of the study programme:

- 1st year: A1 or A2, B1 or B2, D, F, H;
- 2nd year: C1 or C2, E, G, I1 or I2, K, J1 or J2;
- 3rd year: L, M, N.

30 ECTS/year part-time study programme: we propose the following four-year division of the study programme:

- 1st year: A1 or A2, B1 or B2, D, F;
- 2nd year: C1 or C2, E, G, H;
- 3rd year: I1 or I2, K, J1 or J2, L;
- 4th year: M, N.

CURRICULUM IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE FOR INDUSTRY AND DIGITAL TWINS

The curriculum in **data science and artificial intelligence for industry and digital twins** trains experts in the application of data science and artificial intelligence methods to industrial problems, in particular by focusing on the creation of digital twins. Special attention is given to the broad class of cyber-physical systems (e.g. IoT, automation). Students will acquire skills in statistics and modelling, machine learning and classical artificial intelligence, intensive computation and advanced programming.

1st YEAR (60 ECTS)

COURSE	ECTS	DISC.	TYPE
One course of your choice between A1 and A2			
• A1 – Advanced Programming for Computational Science (*)	6	IINF-05/A	B
• A2 – Machine Learning Operations	6	IINF-05/A	B
One course of your choice between B1 and B2			
• B1 – Introduction to Machine Learning (*)	6	IINF-05/A	C
• B2 – Optimization for Artificial Intelligence	6	MATH-06/A	C
C – Statistical Methods	9	STAT-01/A	B
One course of your choice between D1, D2, D3			
• D1 – Numerical Analysis (*)	6	MATH-05/A	B
• D2 – Advanced Numerical Analysis	6	MATH-05/A	B
• D3 – Numerical Methods for Machine Learning	6	MATH-05/A	B
E – High Performance and Cloud Computing	9	IINF-05/A	B
F – Probabilistic and Deep Machine Learning	12	INFO-01/A	B
• Module A – Probabilistic Machine Learning	(6)		
• Module B – Deep Learning	(6)		
G – Stochastic Modelling and Simulation	6	INFO-01/A	B
H – Ethics and Law of Data and Artificial Intelligence	6	PHIL-03/A GIUR-11/A	B

2nd YEAR (60 ECTS)

COURSE	ECTS	DISC.	TYPE
I – Safe and Verified Artificial Intelligence	6	IINF-05/A	C
J – Scientific Machine Learning and Simulation Intelligence	6	INFO-01/A	C
K – Elective course	6		C
L – Elective courses	12		D
M – Internship	12		F
N – Thesis	18		E

Elective courses of type A, B or C can also be included in the study programme. You must select them from the groups below:

ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Mathematical Optimisation	6	MATH-06/A	C
Control of Cyber-Physical Systems	6	IINF-04/A	C
Reinforcement Learning	6	INFO-01/A	C
Explainable, Causal and Neuro-Symbolic Artificial Intelligence	6	INFO-01/A	C

You can include elective courses of type D in your study programme by choosing them from the list below.

ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Any course from the tables above.			D
Multi-Agent Systems	6	INFO-01/A	D
Computer Vision and Pattern Recognition	6	IINF-04/A	D
Information Theory	6	INFO-01/A	D
Unsupervised Learning	6	PHYS-06/A	D
Natural Language Processing	6	INFO-01/A	D
Introduction to Artificial Intelligence	6	INFO-01/A	D
Bayesian Statistics	6	STAT-01/A	D
Software Development Methods	6	IINF-05/A	D
Machine Learning Operations	6	IINF-05/A	D
Advanced High Performance Computing	6	INFO-01/A	D
Information Retrieval and Data Visualisation	6	INFO-01/A	D
Advanced Statistical Methods	6	STAT-01/A	D
Other courses (****)			D

(****) Other courses can belong to any academic discipline.

Please note that the list may change from year to year. You must check which courses are available in the relevant year.
(*) You cannot choose this course if your three-year study programme already includes another course with similar content.

(**) If you have not completed a course of numerical analysis during your bachelor's degree, we recommend that you only include Numerical Analysis as elective course for the first year.

Choices A, B and D must also take into account students' prior knowledge, which will be assessed by the Education Committee. Suggestions will be made during the admission process.

Choices must take into account requirements concerning type of activities and academic disciplines. Please refer to the table below.

Educational activities	Academic disciplines	Discipline Code	ECTS	
B – Advanced concepts and skills	Mathematics and statistics	MATH-05/A STAT-01/A	15	54
	Information and computer science	INFO-01/A, IINF-05/A	33	
	Law, business, linguistics and social sciences	GIUR-11/A, PHIL-03/A	6	
C – Complementary subject				24
D – Elective courses				12
F – Internships	Internship / seminars / workshops			12
Thesis				18

40 ECTS/year part-time study programme: we propose the following three-year division of the study programme:

- 1st year: A, B, C, F, H;
- 2nd year: D, E, G, I, J, K;
- 3rd year: L, M, N.

30 ECTS/year part-time study programme: we propose the following four-year division of the study programme:

- 1st year: A, B, C, H;
- 2nd year: D, E, F, G;
- 3rd year: I, J, K, L;
- 4th year: M, N.

CURRICULUM IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE FOR HEALTH AND LIFE SCIENCES

The curriculum in **data science and artificial intelligence for health and life sciences** trains experts in the design and application of data science and artificial intelligence methods to medical and biological problems, and especially to genomics, neuroscience, epidemiology and biostatistics. Students will acquire skills in statistics and modelling, machine learning and classical artificial intelligence, intensive computation and advanced programming, as well as specialist knowledge in life sciences and epidemiology.

1st YEAR (60 ECTS)

COURSE	ECTS	DISC.	TYPE
One course of your choice between A1 and A2			
• A1 – Advanced Programming for Computational Science (*)	6	IINF-05/A	B
• A2 – Machine Learning Operations	6	IINF-05/A	B
One course of your choice between B1 and B2			
• B1 – Introduction to Machine Learning (*)	6	IINF-05/A	C
• B2 – Unsupervised Learning	6	PHYS-06/A	B
One course of your choice between C1 and C2			
C1 Algorithmic Design (*)	6	INFO-01/A	C
• Module A – Introduction to Algorithms	(3)		
• Module B – Data Mining	(3)		
C2 – Algorithmic Data Mining	6	INFO-01/A	C
• Module A – Data Mining	(3)		
• Module B – Advanced Algorithms	(3)		
D – Statistical Methods	9	STAT-01/A	B
E – High Performance and Cloud Computing	9	IINF-05/A	B
F – Probabilistic and Deep Machine Learning	12	INFO-01/A	B
• Module A – Probabilistic Machine Learning	(6)		
• Module B – Deep Learning	(6)		
One course of your choice between G1 and G2			
• G1 – Stochastic Modelling and Simulation	6	INFO-01/A	C
• G2 – Statistical Learning Operations	6	MEDS-24/A	C
H – Ethics and Law of Data and Artificial Intelligence	6	PHIL-03/A GIUR-11/A	B

2nd YEAR (60 ECTS)

COURSE	ECTS	DISC.	TYPE
I1 – Unsupervised Learning	6	PHYS-06/A	B
I2 – Elective course	6		C
One course of your choice between J1 and J2			
• J1 – Data Management (*)	6	INFO-01/A	C
• J2 – Elective course	6		C
K – Computational Genomics	6	INFO-01/A	B
L – Elective courses	12		D
M – Internship	12		F
N – Thesis	18		E

Elective courses of type A, B or C can also be included in the study programme. You must select them from the following groups:

ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Computational Neuroscience	6	INFO-01/A	C
Advanced Statistical Methods	6	STAT-01/A	C
Statistical Learning in Epidemiology	6	MEDS-24/A	C

You can include elective courses of type D in your study programme by choosing them from the list below.

ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Any course from the tables above.			D
Molecular Biology	6	BIO/11	D
Information Theory	6	INFO-01/A	D
Molecular Simulation	6	ING-IND/24	D
Advanced Deep Learning and Kernel Methods	6	INFO-01/A	D
Computer Vision and Pattern Recognition	6	IINF-04/A	D
Natural Language Processing	6	INFO-01/A	D
Information Retrieval and Data Visualisation	6	INFO-01/A	D
Mathematical Optimisation	6	MATH-06/A	D
Bayesian Statistics	6	STAT-01/A	D
Advanced Data Management	6	INFO-01/A	D
Software Development Methods	6	IINF-05/A	D
Machine Learning Operations	6	IINF-05/A	D
Multi-Agent Systems	6	INFO-01/A	D

Scientific Machine Learning and Simulation Intelligence	6	INFO-01/A	D
Responsible and Fair Artificial Intelligence	6	INFO-01/A	C
Explainable, Causal, and Neuro-Symbolic Artificial Intelligence	6	INFO-01/A	D
Advanced High Performance Computing	6	INFO-01/A	D
Numerical Methods for Machine Learning	6	MATH-05/A	D
Other courses (****)			D
(****) Other courses can belong to any academic discipline.			

Please note that the list may change from year to year. You must check which courses are available in the relevant year.

Choices A, B, C and G must also take into account students' prior knowledge, which will be assessed by the Education Committee. Suggestions will be made during the admission process.

Choices must take into account requirements concerning type of activities and academic disciplines. Please refer to the table below.

Educational activities	Academic disciplines	Discipline Code	ECTS	
B – Advanced concepts and skills	Mathematics and statistics	STAT-01/A PHYS-06/A	15	54
	Information and computer science	INFO-01/A, IINF-05/A	33	
	Law, business, linguistics and social sciences	GIUR-11/A, PHIL-03/A	6	
C – Complementary subject				24
D – Elective courses				12
F – Internships	Internship / seminars / workshops			12
Thesis				18

40 ECTS/year part-time study programme: we propose the following three-year division of the study programme:

- 1st year: A, B, C, F, H;
- 2nd year: E, C, G, I, J, K;
- 3rd year: L, M, N.

30 ECTS/year part-time study programme: we propose the following four-year division of the study programme:

- 1st year: A, B, D, G;
- 2nd year: C, E, F, H;
- 3rd year: I, J, K, L;
- 4th year: M, N.

CURRICULUM IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE FOR ECONOMY AND SOCIETY

The curriculum in **data science and artificial intelligence for economy and society** trains experts in the application of data science and artificial intelligence methods to economic and social problems. Students will acquire skills in statistics and modelling, machine learning and classical artificial intelligence, intensive computation and advanced programming. They will also be able to apply these techniques to social and economic contexts.

1st YEAR (60 ECTS)

COURSE	ECTS	DISC.	TYPE
One course of your choice between A1 and A2			
• A1 – Advanced Programming for Computational Science (*)	6	IINF-05/A	B
• A2 – Machine Learning Operations	6	IINF-05/A	B
One course of your choice between B1 and B2			
• B1 – Introduction to Machine Learning (*)	6	IINF-05/A	C
• B2 – Optimization for Artificial Intelligence	6	MATH-06/A	C
C – Unsupervised Learning	C	PHYS-06/A	6
D – Statistical Methods	9	STAT-01/A	B
E – High Performance and Cloud Computing	9	IINF-05/A	B
F – Probabilistic and Deep Machine Learning	12	INFO-01/A	B
• Module A – Probabilistic Machine Learning	(6)		
• Module B – Deep Learning	(6)		
G – Advanced Statistical Methods	6	STAT-01/A	B
H – Ethics and Law of Data and Artificial Intelligence	6	PHIL-03/A GIUR-11/A	B

2nd YEAR (60 ECTS)

COURSE	ECTS	DISC.	TYPE
One course of your choice between I1 and I2			
• I1 – Elective course	6		C
• I2 – Data Management (*)	6	INFO-01/A	C
J – Elective course	12		C
K – Elective courses	12		D
L – Internship	12		F
M – Thesis	18		E

Elective courses of type A, B or C can also be included in the study programme. You must select them from the groups below:

ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Statistical Analysis of Networks	6	STAT-03/B	C
Data Science for Insurance	6	STAT-04/A STAT-01/A	C
Natural Language Processing	6	INFO-01/A	C
Bayesian Statistics	6	STAT-01/A	C
Multi-Agent Systems	6	INFO-01/A	C
Information Retrieval and Data Visualisation	6	INFO-01/A	C
Entrepreneurship and Business Modelling	6	SECS-P/08	C
Explainable, Causal and Neuro-Symbolic Artificial Intelligence	6	INFO-01/A	C
Responsible and Fair Artificial Intelligence	6	INFO-01/A	C

You can include elective courses of type D in your study programme by choosing them from the list below.

ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Any course from the tables above.			D
Business Analytics	6	STAT-02/A	D
Time-series Analysis	6	STAT-02/A	D
Data Science for Fintech	6	STAT-04/A	D
Computer Vision and Pattern Recognition	6	IINF-04/A	D
Mathematical Optimisation	6	MATH-06/A	D
Advanced Data Management	6	INFO-01/A	D
Software Development Methods	6	IINF-05/A	D
Machine Learning Operations	6	IINF-05/A	D

Stochastic Modelling and Simulation	6	INFO-01/A	D
Scientific Machine Learning and Simulation Intelligence	6	INFO-01/A	D
Numerical Methods for Machine Learning	6	MATH-05/A	D
Other courses (****)			D

(****) Other courses can belong to any academic discipline.

Please note that the list may change from year to year. You must check which courses are available in the relevant year.

Choices A, B, C and I must also take into account students' prior knowledge, which will be assessed by the Education Committee. Suggestions will be made during the admission process.

Choices must take into account requirements concerning type of activities and academic disciplines. Please refer to the table below.

Educational activities	Academic disciplines	Discipline Code	ECTS	
B – Advanced concepts and skills	Mathematics and statistics	STAT-01/A PHYS-06/A	15	48
	Information and computer science	INFO-01/A, IINF-05/A	27	
	Law, business, linguistics and social sciences	GIUR-11/A, PHIL-03/A	6	
C – Complementary subject				30
D – Elective courses				12
F – Internships	Internship / seminars / workshops			12
Thesis				18

40 ECTS/year part-time study programme: we propose the following three-year division of the study programme:

- 1st year: A, B, D, F, H;
- 2nd year: C, E, F, G, I, J;
- 3rd year: K, L, M.

30 ECTS/year part-time study programme: we propose the following four-year division of the study programme:

- 1st year: A, B, D, E;
- 2nd year: C, F, G, H;
- 3rd year: I, J, K;
- 4th year: L, M.

CURRICULUM IN HIGH PERFORMANCE COMPUTING FOR DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

The curriculum in **high performance computing for data science and artificial intelligence** trains experts in the application of computationally-intensive methods to data science and artificial intelligence problems. Students will acquire skills in statistics and modelling, machine learning and classical artificial intelligence. This curriculum will deep dive into intensive computation and advanced programming.

1st YEAR (60 ECTS)

COURSE	ECTS	DISC.	TYPE
Advanced Programming for Computational Science	6	IINF-05/A	B
One course of your choice between B1 and B2			
• B1 – Introduction to Machine Learning (*)	6	IINF-05/A	C
• B2 – Machine Learning Operations	6	IINF-05/A	C
One course of your choice between C1 and C2			
C1 – Algorithmic Design (*)	6		
• Module A – Introduction to Algorithms	(3)	INFO-01/A	B
• Module B – Data Mining	(3)	INFO-01/A	B
C2 – Algorithmic Data Mining	6	INFO-01/A	B
• Module A – Data Mining	(3)		
• Module B – Advanced Algorithms	(3)		
D – Statistical Methods	9	STAT-01/A	B
E – High Performance and Cloud Computing	9	IINF-05/A	B
F – Probabilistic and Deep Machine Learning	12	INFO-01/A	B
• Module A – Probabilistic Machine Learning	(6)		
• Module B – Deep Learning	(6)		
One course of your choice between G1 and G2			
G1 – Data Management (*)	6	INFO-01/A	C
G2 – Advanced Data Management	6	INFO-01/A	C
H – Ethics and Law of Data and Artificial Intelligence	6	PHIL-03/A GIUR-11/A	B

2nd YEAR (60 ECTS)

COURSE	ECTS	DISC.	TYPE
I – Mathematical Optimisation	6	MATH-06/A	B
J – Advanced High Performance Computing	6	INFO-01/A	C
One course of your choice between K1 and K2			
• K1 – Advanced Data Management	6	INFO-01/A	C
• K2 – Elective courses	6		C
L – Elective courses	12		D
M – Internship	12		F
N – Thesis	18		E

Elective courses of type A, B or C can also be included in the study programme. You must select them from the groups below:

ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Natural Language Processing	6	INFO-01/A	C
Information Retrieval and Data Visualisation	6	INFO-01/A	C
Machine Learning Operations	6	IINF-05/A	C
Optimization for Artificial Intelligence	6	MATH-06/A	C
Reinforcement Learning	6	INFO-01/A	C

You can include elective courses of type D in your study programme by choosing them from the list below.

ELECTIVE COURSES

COURSE	ECTS	DISC.	TYPE
Any course from the tables above.			D
Optimization for Artificial Intelligence	6	MATH-06/A	D
Information Theory	6	INFO-01/A	D
Unsupervised Learning	6	PHYS-06/A	D
Natural Language Processing	6	INFO-01/A	D
Introduction to Artificial Intelligence	6	INFO-01/A	D
Bayesian Statistics	6	STAT-01/A	D
Software Development Methods	6	IINF-05/A	D
Explainable, Causal and Neuro-Symbolic Artificial Intelligence	6	INFO-01/A	D
Multi-Agent Systems	6	INFO-01/A	D
Responsible and Fair Artificial Intelligence	6	INFO-01/A	C
Safe and Verified Artificial Intelligence	6	IINF-05/A	D

Computer Vision and Pattern Recognition	6	IINF-04/A	D
Advanced Deep Learning and Kernel Methods	6	INFO-01/A	D
Scientific Machine Learning and Simulation Intelligence	6	INFO-01/A	D
Information Retrieval and Data Visualisation	6	INFO-01/A	D
Advanced Statistical Methods	6	STAT-01/A	D
Numerical Methods for Machine Learning	6	MATH-05/A	D
Other courses (****)			D
(****) Other courses can belong to any academic discipline.			

Please note that the list may change from year to year. You must check which courses are available in the relevant year.

(*) You cannot choose this course if your three-year study programme already includes another course with similar content.

(**) If you have not completed a course of numerical analysis during your bachelor's degree, we recommend that you only include Numerical Analysis as elective course for the first year.

Choices B, C and G must also take into account students' prior knowledge, which will be assessed by the Education Committee. Suggestions will be made during the admission process.

Educational activities	Academic disciplines	Discipline Code	ECTS	
B – Advanced concepts and skills	Mathematics and statistics	MATH-06/A STAT-01/A	15	24
	Information and computer science	INFO-01/A, IINF-05/A	33	
	Law, business, linguistics and social sciences	GIUR-11/A, PHIL-03/A	6	
C – Complementary subject				24
D – Elective courses				12
F – Internships	Internship / seminars / workshops			12
Thesis				18

40 ECTS/year part-time study programme: we propose the following three-year division of the study programme:

- 1st year: A, B, D, F, H;
- 2nd year: C, E, G, I, J, K;
- 3rd year: L, M, N.

30 ECTS/year part-time study programme: we propose the following four-year division of the study programme:

- 1st year: A, B, D, E;
- 2nd year: C, F, G, H;
- 3rd year: I, J, K, L;
- 4th year: M, N.



**UNIVERSITÀ
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COMPETENT OFFICES

For further info on the degree programmes

[Contact us](#)