

Polytech Paris-Saclay (2021 - 2022)

Computer Science - Master (M2)

Contact: Burkhardt Wolff (burkhart.wolff@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
e1i2-2	Extraction of information from texts	1	24	1,5
e1i4-1	EISD	1	24	1
e1i4-5	GRA	1	24	1

Computer Science - Master (M1)

Contact: Burkhardt Wolff (burkhart.wolff@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
d1c3-2	Project (management part)	1	12	1
d1i1-1	Subject supplements	1	36	3
d1i2-2	Compilation	1	42	2,5
d1i3-3	Databases	1	24	2
d2c3-1	Project (technical part)	2	24	2
d2i1-2	Computer architecture	2	30	2,5
d2i2-3	Verification and validation	2	30	2,5

Computer Science - Bachelor (L3)

Contact: Burkhardt Wolff (burkhart.wolff@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
c1i2-1	Databases	1	24	2
c2i2-3	Computer graphics	2	24	2

Polytech Paris-Saclay (2021 - 2022)

Electronics and Robotic Systems - Master (M2)

Contact: Said Zouhdi (said.zouhdi@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
e1e1-1	Artificial intelligence for robotics	1	32	2
e1e1-2	Image processing for robotics	1	32	2
e1e1-3	Industrial and real time computing	1	48	3
e1e2-1	Android mobile applications	1	16	1
e1e2-2	FPGA-based codesign	1	38	2,5
e1e2-3	Design on DSP	1	22	1,5
e1e2-5	Mini-Project Systems	1	16	1
e1e3-1	On-chip systems	1	15	1
e1e3-2	Procurement system design	1	15	1

Electronics and Robotic Systems - Master (M1)

Contact: Said Zouhdi (said.zouhdi@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
d1e1-3	Digital circuits and microcontrollers	1	56	5
d1e1-4	Networks	1	30	2,5
d1e2-1	Control/Command	1	24	2
d1e2-2	Signal processing	1	32	2,5
d1e2-3	Image processing	1	40	3,5
d2e1-2	Industrial Electromechanical Systems	2	16	1
d2e1-3	Electromagnetic compatibility (EMC)	2	14	1

Polytech Paris-Saclay (2021 - 2022)

Materials: Mechanics and Energy - Master (M2)

Contact: Denis Solas (denis.solas@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
e1m1-2	Composite materials	1	20	1,5
e1m2-3	Biomaterials	1	14	1
e1m5-2	Materials engineering	1	18	1,5
e1m5-3	Engineer's Minutes	1	20	1,5

Materials: Mechanics and Energy - Master (M1)

Contact: Denis Solas (denis.solas@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
d1m1-1	Magnetic properties of materials	1	24	2
d1m1-2	Materials and radiation (ENGLISH course)	1	32	3
d1m1-3	Materials for microelectronics	1	34	3
d2m1-1	Metallurgy II	2	32	2
d2m1-2	Corrosion of materials	2	42	2,5

Materials: Mechanics and Energy - Bachelor (L3)

Contact: Denis Solas (denis.solas@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
c1c2-5	Physics	1	30	2
c1m2-1	Thermodynamics of materials	1	30	2,5
c2m1-1	Electronic structure of matter	2	28	2
c2m1-2	Material structure	2	46	3
c2m2-1	Elasticity	2	26	2

Polytech Paris-Saclay (2021 - 2022)

Photonics and optronic systems - Master (M2)

Contact: Matthieu Lancry (matthieu.lancry@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
e1c1-2	Personal and professional project 3	1	12	1
e1o1-1	Optomechanics	1	24	1,5
e1o1-2	Image processing	1	30	2
e1o1-3	Optronics systems	1	24	1,5
e1o1-4	Digital signal processing	1	36	2
e1o1-5	Industrial computing	1	36	2
e1o2-1	Optical telecommunications	1	36	2
e1o2-2	Photonics for biomedical	1	36	2
e1o2-3	Optronics	1	60	3,5
e1o2-4	Photonics for the environment	1	48	2,5
e1o3-1	Technical project	1	106	4

Photonics and optronic systems - Master (M1)

Contact: Matthieu Lancry (matthieu.lancry@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
d1o1-1	Laser 1	1	66	6
d1o1-2	Fibre optics	1	48	4
d1o2-1	Automatic	1	30	2,5
d1o2-2	Electronic servo controllers	1	36	3
d2o1-1	Photometry and detectors	2	36	2
d2o1-3	Non-linear optics	2	24	1,5
d2o2-1	Analogue signals	2	42	3

Photonics and optronic systems - Bachelor (L3)

Contact: Matthieu Lancry (matthieu.lancry@universite-paris-saclay.fr)

Code	Course	Semester	Hours	ECTS credits
c2o2-1	Wave optics	2	72	4,5