

Enrolled in Academic Year 2023-24 1 st Year – Semester I (Sept.2023)	Enrolled in Academic Year 2024-25 1 st Year – Semester I(Sept.2024)	
Cellular and Molecular Neurobiology 6+3 = 9 ECTS (6 ECTS = <i>Cell Mol Neurobiol BIO/06</i>) (3 ECTS = <i>Techniques in Cellular Neurobiol BIO/06</i>)	Cellular and Molecular Neurobiology 6+3 = 9 ECTS (6 ECTS = <i>Cell Mol Neurobiol BIO/06</i>) (3 ECTS = <i>Techniques in Cellular Neurobiol BIO/06</i>)	
Molecular Neurophysiology 3+3+2 = 8 ECTS (3 ECTS = <i>Signal transduction BIO/09</i>) (3 ECTS = <i>Synaptic transmission in CNS BIO/09</i>) (2 ECTS = <i>Basic principles of synaptic transmission BIO/09</i>)	Molecular Neurophysiology 3+4+2 = 9 ECTS (3 ECTS = <i>Signal transduction BIO/09</i>) (4 ECTS = <i>Synaptic transmission in CNS BIO/09</i>) (2 ECTS = <i>Synaptic transmission in PNS BIO/09</i>)	
Neuroanatomy and Neuropharmacology 6+3 = 9 ECTS (3 ECTS = <i>Human Neuroanatomy MED/36</i>) (6 ECTS = <i>Neuropharmacology BIO/14</i>)	Neuropharmacology = 6 ECTS (6 ECTS = <i>Neuropharmacology BIO/14</i>)	
	Comparative Neuroanatomy 3+3 = 6 ECTS (3 ECTS = <i>Human Neuroanatomy MED/37</i>) (3 ECTS = <i>Vertebrate Brain Evolution BIO/06</i>)	
1st Year – Semester II (March 2024)	1st Year – Semester II (March 2025)	
Integrative Neurophysiology 5+2 = 7 ECTS (5 ECTS = <i>Integrative Neurophysiology BIO/09</i>) (2 ECTS = <i>Synaptic plasticity BIO/09</i>)	Integrative Neurophysiology = 6 ECTS (6 ECTS = <i>Integrative Neurophysiology BIO/09</i>)	
Neuropathology 3+3+3 = 9 ECTS (3 ECTS = <i>Clinical Neuropathology MED/26</i>) (3 ECTS = <i>Molecular Neuropathology BIO/09</i>) (3 ECTS = <i>Glia Neuropathology BIO/09</i>)	Neuropathology 3+3+3 = 9 ECTS (3 ECTS = <i>Clinical Neuropathology MED/26</i>) (3 ECTS = <i>Molecular Neuropathology BIO/09</i>) (3 ECTS = <i>Glia Neuropathology BIO/09</i>)	
Developmental Neurogenetics 3+3 = 6 ECTS (3 ECTS = <i>Vertebrate Nervous system development BIO/18</i>) (3 ECTS = <i>Molecular Neurodevelopment BIO/11</i>)	Developmental Neurogenetics 3+3 = 6 ECTS (3 ECTS = <i>Vertebrate Nervous system development BIO/18</i>) (3 ECTS = <i>Molecular Neurodevelopment BIO/11</i>)	
Professionalizing Activities: <i>Applied Neuroscience: a pathway to the industrial sector = 3 ECTS (BIO/06); Scientific Writing = 3 ECTS</i>		
TOTAL = 48 ECTS + 6 Professionalizing activities	TOTAL = 51 ECTS + 6 Professionalizing activities	

Enrolled in Academic Year 2023-24 2 nd Year (Sept.2024)	Enrolled in Academic Year 2024-25 2 nd Year (Sept.2025)	
Single Common Path	Cognitive Neuroscience Path	Molecular Neuroscience Path
Cinical Neuroimaging 2+2 = 4 ECTS (2 ECTS = <i>Physics underlying brain imaging FIS/07</i>) (2 ECTS = <i>Clinical Neuroimaging MED/36</i>)	Translational Behavioral and Cognitive Methods = 6 ECTS (3 ECTS <i>Comparative animal behavior MPSI/02</i>) (3 ECTS <i>Statistics and experimental design in animal studies MPSI/02</i>)	
Cognitive Neuroscience 6+1 = 7 ECTS (6 ECTS = <i>Human cognitive science MPSI/02</i>) (1 ECTS <i>Comparative animal behavior MPSI/02</i>)	Cognitive Neuroscience = 6 ECTS (2 ECTS = <i>Human cognitive science MPSI/02</i>)	Advanced Neurofunctional Techniques = 6 ECTS (6 ECTS <i>Optogenetics, Electrophysiology and Cell imaging BIO/09</i>)
Advanced Neurofunctional Techniques 6+1 = 7 ECTS (6 ECTS <i>Optogenetics, Electrophysiology and Cell imaging BIO/09</i>) (1 ECTS <i>Statistics and experimental design in neuroscience BIO/09</i>)	Cinical Neuroimaging 2+2+2 = 6 ECTS (2 ECTS = <i>Physics underlying brain imaging FIS/07</i>) (2 ECTS = <i>Clinical Neuroimaging MED/36</i>) (2 ECTS = <i>Neurosignal Analysis ING/10</i>)	Omics in Neurosciences = 6 ECTS (6 ECTS <i>Genomics, Transcriptomics, Proteomics, Lipidomics and Metabolomics in Neuroscience BIO/09</i>)
TOTAL = 18 ECTS	TOTAL = 18 ECTS	TOTAL = 18 ECTS

Optional courses offered by the IMDN-TS (in ENGLISH):

Course name	SSD	CFU	TAF	Teachers	Semester
Principles in Computational Neurosciences	ING-INF/06	3	D	Sara Marceglia	1 st
Advanced Neuropharmacology	BIO/14	3	D	Andrew Constanti	2 nd
Molecular Psychiatry	MED/25	3	D	Luca Pellegrini	2 nd
Advanced Electrophysiology	BIO/09	3	D	Lorenzo Cingolani	2 nd
Neurooncology	MED/26	3	D	Enrico Pegolo + Francesco Tuniz	2 nd

Optional courses offered by other degrees of the University of Trieste(in ENGLISH):

Codice	Insegnamento	SSD	CFU	Anno	Semestre	Docente	CDL	Note
675SM	OPTICAL MICROSCOPY IN CELL BIOLOGY	BIO/06	3	1	2	Thalhammer	Functional Genomics	
855SM	GENE EXPRESSION (this course includes the Erasmus week with external invited speakers)	BIO/11	6	2	1	Manfioletti	Functional Genomics	
609SM	MODEL SYSTEMS FOR BIOMEDICAL RESEARCH	BIO/13	6	2	1	Collavin	Functional Genomics	
984SV	MOLECULAR IMMUNOLOGY AND IMMUNOTHERAPY	MED/04	6	2	1	Bulla, Macor	Functional Genomics	
622SM	BIOMEDICAL OPTICAL SPECTROSCOPY	CHIM/07	3	1	2	Bonifacio	Medical and Diagnostic Biotechnologies	
978SV	BIOSTATICS AND DIAGNOSTICS	MED/01	6	1	1	Gandin, Ruscio	Medical and Diagnostic Biotechnologies	

677SM	CELLULAR AND MOLECULAR TECHNOLOGY	BIO/13	6	1	2	Sblattero	Medical and Diagnostic Biotechnologies
600SM	CLINICAL BIOCHEMISTRY AND BIOMARKERS	BIO/12	6	1	1	Grassi	Medical and Diagnostic Biotechnologies
983SV	MEDICAL GENETICS	MED/03	6	1	2	Giroto	Medical and Diagnostic Biotechnologies
709SM	MOLECULAR BIOMARKERS IN TISSUES	MED/46	3	1	1	Bonin	Medical and Diagnostic Biotechnologies
713SM	MOLECULAR PATHOLOGY	MED/04	6	1	1	Romano, Macor	Medical and Diagnostic Biotechnologies
990SV	RNA THERAPEUTICS	BIO/11	3	1	2	Buratti	Medical and Diagnostic Biotechnologies
605SM	DRUG DEVELOPMENT AND PHARMACOGENOMICS	BIO/14	6	2	1	Bergamo, Lucafò	Medical Biotechnologies - spec . Medical and Pharmaceutical Biotechnologies
604SM	GENE THERAPY AND REGENERATIVE MEDICINE	BIO/11	6	2	1	Zacchigna	Medical Biotechnologies - spec . Medical and Pharmaceutical Biotechnologies
763SM	MOLECULAR ONCOLOGY	BIO/13	6	2	1	Del Sal	Medical Biotechnologies - spec . Medical and Pharmaceutical Biotechnologies
699SM	BIOMATERIALS AND TISSUE ENGINEERING	MED/50	6	2	1	Turco	Medical Biotechnologies - spec. Nanobiotechnology

608SM	BIO-STRUCTURAL ANALYSIS WITH SYNCHROTRON RADIATION	BIO/10	6	2	1	Covaceuszach, Cassetta	Medical Biotechnologies - spec. Nanobiotechnology
712SM	NANOBIOTECHNOLOGY	CHIM/06	6	2	2	Pasquato	Medical Biotechnologies - spec. Nanobiotechnology
607SM	ADVANCED MICROSCOPY TECHNIQUES	FIS/03	6	2	1	Thalhammer, Cojoc	Medical Biotechnologies - spec. Nanobiotechnology
720SM	MOLECULAR BIOPHYSICS	BIO/10	6	2	1	Donati	Medical Biotechnologies - spec. Nanobiotechnology

Optional Courses of the Degree in Psychology (in ITALIAN):

Nome Corso	SSD	CFU	TAF	Insegnanti	Corso di Laurea	Semestre
Memoria e controllo cognitivo	M-PSI/01	6	D	Fabio Del Missier	1° Anno - Triennale PS01 - Scienze e tecniche psicologiche	2
Psicologia della creatività	M-PSI/01	3	D	Sergio Agnoli	2° Anno - Triennale PS01 - Scienze e tecniche psicologiche	2
Psicologia Clinica	M-PSI/08	6	D	Barbara Penolazzi	3° Anno - Triennale PS01 - Scienze e tecniche psicologiche	1 e 2 (chiedere alla prof.ssa)
Nome Corso	SSD	CFU	TAF	Insegnanti	Corso di Laurea	Semestre
Emozioni e Motivazione	M-PSI/02	6	D	Cinzia Chiandetti + Marco Del Giudice	1° Anno - Magistrale PS51 - Psicologia	1
Fondamenti psicologici e di marketing della creatività e dell'innovazione	M-PSI/01	6	D	Sergio Agnoli	1° Anno - Magistrale PS51 - Psicologia	2
Psichiatria	MED/25	6	D	Umberto Albert	1° Anno - Magistrale PS51 - Psicologia	2
Interazione uomo macchina e analisi del segnale	ING-INF/06 ING/IND13	3	D	Paolo Gallina pgallina@units.it Agostino Accardo accardo@units.it	2° Anno - Magistrale PS51 - Psicologia	1