

Codice europeo	Nome istituzione	Paese destinazione	ESAMI ITALIANI			ESAMI ESTERI		
			codice esame Sapienza	denominazione esame Sapienza	CFU sapienza	denominazione esame estero	codice esame estero	CFU esteri
A INNSBRU08	MCI - MANAGEMENT CENTER INNSBRUCK G.M.B.H	AUSTRIA	1017832	CENTRALI TERMICHE	6	Computational Fluid Dynamcis - Theory	UVET_MA17_3_3	2
			1017834	FLUIDODINAMICA	6	Computational Fluid Dynamics - Simulation	UVET_MA17_3_4	3
						Electrochemical Energy Storage and Conversion	UVET_MA17_1_14	1,25
						Heating and Cooling Technology	UVET_MA17_3_14	2,5
						Plant Design Project	UVET_MA17_3_6	5
						Plant Engineering	UVET_MA17_3_2	3
						Renewable Energy Systems	UVET_MA17_3_13	2,5
						Totale CFU	12	Totale CFU
A WIEN02	TECHNISCHE UNIVERSITÄT WIEN	AUSTRIA	1047513	COMPUTATIONAL THERMO-FLUIDS ANALYSIS IN FLUID MACHINERY	6	Advanced Business Management and Culture	325.037	3
			1021948	COSTRUZIONE DI MACCHINE	9	Advanced Material Models for Structural Analysis	317.536	3
			1041454	DYNAMICS OF ELECTRICAL MACHINES AND DRIVES	6	Advanced Space Propulsion Systems	317.014	3
			1055047	ECONOMICS OF TECHNOLOGY AND MANAGEMENT	6	Applied Fluid Mechanics Laboratory	322.047	2,5
						Autonomous, Mobile Robots	318.001	3
						Engineering Management	318.061	3
						Project Work Fluid Mechanics	322.069	5
						Ressource Efficiency	330.262	3
						Robot systems and handling devices	318.056	3
						Robot-Systems and Handling Devices	318.058	2
						Sandwich Structures	317.029	3
			Totale CFU	27	Totale CFU	33,5		
A WIEN02	TECHNISCHE UNIVERSITÄT WIEN	AUSTRIA	1047513	COMPUTATIONAL THERMO-FLUIDS ANALYSIS IN FLUID MACHINERY	6	Advanced Material Models for Structural Analysis	317536	3
			1021948	COSTRUZIONE DI MACCHINE	9	Advanced Space Propulsion Systems	317014	3
			1055047	ECONOMICS OF TECHNOLOGY AND MANAGEMENT	6	Applied Fluid Mechanics Laboratory	322047	2,5

			1021838	METODOLOGIE METALLURGICHE E METALLOGRAFICHE	6	Engineering Management	318061	3
						Introduction to Finite Element Methods in Solid Mechanics	317039	3
						Materials Science of Steels	308863	2
						Project and Enterprise Financing	330214	3
						Project Work Fluid Mechanics	322069	5
						RESOURCE EFFICIENCY	330262	3
						SANDWICH STRUCTURES	317029	3
				Totale CFU	27	Totale CFU		30,5
A WIEN02	TECHNISCHE UNIVERSITÄT WIEN	AUSTRIA	1047513	COMPUTATIONAL THERMO-FLUIDS ANALYSIS IN FLUID MACHINERY	6	Advanced Material Models for Structural Analysis	317.536	3
			1021948	COSTRUZIONE DI MACCHINE	9	Advanced Space Propulsion Systems	317.014	3
			1041454	DYNAMICS OF ELECTRICAL MACHINES AND DRIVES	6	Applied Fluid Mechanics Laboratory	322.047	2,5
			1055047	ECONOMICS OF TECHNOLOGY AND MANAGEMENT	6	Autonomous, Mobile Robots	318.001	3
						Engineering Management	318.061	3
						Introduction to Finite Element Methods in Solid Mechanics	317.039	3
						Project Work Fluid Mechanics	322.069	5
						Resource Efficiency	330.262	3
						Robot-Systems and Handling Devices	318.058	2
						Sandwich Structures	317.029	3
				Totale CFU	27	Totale CFU		30,5
A WIEN02	TECHNISCHE UNIVERSITÄT WIEN	AUSTRIA	1041541	AEROSPACE MATERIALS	6	digital control	328.011	3
			10592715	ANALISI TERMOELASTICA E PIEZOELETTRICA DELLE STRUTTURE AEROSPAZIALI	6	Elasticity and Dislocations	308.885	2
			1044962	CONTROL SYSTEMS	9	feedback control	325.055	4
						metallic high temperature materials	308.101	3
						modelling and system Identification for Model Based Control	325.107	3
						Organizational Structures for Technology & Product Development	325.073	3

						sandwich structures	317.029	3
					Totale CFU	21	Totale CFU	21
A WIEN03	UNIVERSITAT FUR BODENKULTUR WIEN	AUSTRIA	1018589	GEOMATICA	6	Mountain forest dynamics and fire ecology	912330	3
			1047525	MODELLI PER LA PREVISIONE DELL'INQUINAMENTO	6	Mountain risk engineering	871327	6
						Possible impact of climate change on water resources	816342	3
						Remote sensing and image processing	857304	6
					Totale CFU	12	Totale CFU	18
A WIEN03	UNIVERSITAT FUR BODENKULTUR WIEN	AUSTRIA	1018589	GEOMATICA	6	MOUNTAIN FOREST DYNAMICS AND FIRE ECOLOGY	912330	3
			1047525	MODELLI PER LA PREVISIONE DELL'INQUINAMENTO	6	MOUNTAIN RISK ENGINEERING	871327	6
			1044615	VALUTAZIONE DELLE RISORSE	6	POSSIBLE IMPACT OF CLIMATE CHANGE ON WATER RESOURCES	816342	3
						REMOTE SENSING AND IMAGE PROCESSING	857304	6
					Totale CFU	18	Totale CFU	18
B BRUSSELO1	VRIJE UNIVERSITEIT BRUSSEL	BELGIO	1051502	ADVANCED ENERGY CONVERSION SYSTEMS	9	Electrical Drives	4016320ENR	5
			1052083	ELECTRICAL ENERGY CONVERSION FROM RENEWABLE SOURCES	6	Energy Policy And Management	4016352FNR	5
			10589560	ELECTRICAL MACHINES	9	Fuel Cells and Batteries	4016306ENR	4
			1047241	ENERGY MANAGEMENT	6	Renewable Energy Technology	4016307FNR	5
						Seminar Of Emerging Technologies	4021356FNR	5
						Supply Chain Management	4020411ENW	6
						Sustainable Energy	4020267FNR	3
						Thermal Power Plants	4016353FNR	4
					Totale CFU	30	Totale CFU	37
B BRUXELO4-C	UNIVERSITE LIBRE DE BRUXELLES - CIVIS	BELGIO	1021735	BIOMECCANICA	6	Electrical Drives	ELEC-H406	5
			1041454	DYNAMICS OF ELECTRICAL MACHINES AND DRIVES	6	Entrepreneurial Ecosystems	GEST-S421	5
			1022657	GESTIONE DEGLI IMPIANTI INDUSTRIALI	9	Logistics Engineering and Management	GEST-H501	5
						Orthopaedic Biomechanics	MEDI-H503	5

						Supply Chain Performance Analytics	GEST-H502	5
				Totale CFU	21	Totale CFU		25
B LEUVEN01	KATHOLIEKE UNIVERSITEIT LEUVEN	BELGIO	1047501	ADVANCED METHODS IN MECHANICAL DESIGN	6	Artificial Neural Networks and Deep Learning	H02C4A	4
			1044013	SAFETY AND RISK ANALYSIS	6	Dutch Erasmus Course	No Code	4
						Safety aspects of industrial installations	H08P2A	4
						Smart Distribution System	H00P3A	3
						TRAFFIC AND TRANSPORT SAFETY	HOT94A	3
						VIRTUAL PRODUCT DEVELOPMENT	HOA15A	3
				Totale CFU	12	Totale CFU		21
B LEUVEN01	KATHOLIEKE UNIVERSITEIT LEUVEN	BELGIO	1047501	ADVANCED METHODS IN MECHANICAL DESIGN	6	Aircraft MRO, Maintenance, Repair & Overhaul	HOT52A	3
			1047546	OPERATIONS MANAGEMENT	6	Aircraft Performance and Stability	H04W6A	5
			10592761	VEHICLE SYSTEM DYNAMICS AND MECHATRONICS	6	Introduction to Management and Strategy	DOR78A	4
						Maintenance Management	B-KUL-H00M4A	3
						Virtual Product Development	HOA15A	3
				Totale CFU	18	Totale CFU		18
B LEUVEN01	KATHOLIEKE UNIVERSITEIT LEUVEN	BELGIO	1055723	ADVANCED ENERGY CONVERSION SYSTEMS	9	Energy Challenges	B-KUL-H9X53A	3
			1017832	CENTRALI TERMICHE	6	Integrated Project in Energy	B-KUL-H09G3A	3
						Renewable Energy	B-KUL-H04C1B	6
						Thermal Systems: Basic Aspects	B-KUL-H9X52A	3
				Totale CFU	15	Totale CFU		15
CH LAUSANN06	EPFL - ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	SVIZZERA	1019484	ECOLOGIA E FENOMENI DI INQUINAMENTO DEGLI AMBIENTI NATURALI	6	Environmental chemistry	ENV-200	5
			1011710	PROBABILITA' E STATISTICA	6	General physics: electromagnetism	PHYS-201(e)c	4
						Introduction to optimization and operations research	MATH-265	3
						Probabilities and statistics I	MATH-231	4

						Sciences du sol	ENV-222	5
						Totale CFU	Totale CFU	21
CH LAUSANN06	EPFL - ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	SVIZZERA				Master Project in Mechanical Engineering	ME-599	30
						Micro/Nano Robotics	ME-436	3
						Optics Laboratories I	MICRO-423	3
						Totale CFU	Totale CFU	36
CH LAUSANN06	EPFL - ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	SVIZZERA	1056573	SMART FACTORY	6	Data-driven design & fabrication methods	ME-428	3
						Lifecycle performance of product systems	ME-516	3
						Renewable energy (for ME)	ME-460	4
						Specific project for exchange/visiting student	EPFL-301	10
						Thermal power cycles and heat pump systems	ME-459	3
						Totale CFU	Totale CFU	23
CH LAUSANN06	EPFL - ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	SVIZZERA	1019484	ECOLOGIA E FENOMENI DI INQUINAMENTO DEGLI AMBIENTI NATURALI	6	Environmental chemistry	ENV-200	5
			1022159	TECNOLOGIE DI CHIMICA APPLICATA	6	Fluvial Biogeosciences	ENV-426	4
						Fundamentals of indoor climate	CIVIL-212	2
						Life cycle assessment in energy systems	ENV-510	3
						Pollutants analysis in the environment	ENV-300	3
						Sanitary engineering in developing countries	ENV-402	3
						Solid waste engineering	ENV-500	4
						Totale CFU	Totale CFU	24
CH LAUSANN06	EPFL - ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	SVIZZERA	1051502	ADVANCED ENERGY CONVERSION SYSTEMS	9	Development engineering	ENV-470	4
			1047241	ENERGY MANAGEMENT	6	Energy conversion and renewable energy	ME-409	4

			10592719	FLUID MACHINERY	6	Energy Storage in Power systems: technologies, application and future needs	EE-466	3
			1052081	SMART GRIDS IN ELECTRIC POWER SYSTEMS	9	Hydraulic turbomachines	ME-453	4
						Hydropower Plants: generating and pumping units	EE-456	2
						Material and energy flow analysis	ENV-501	4
						Power System restructuring and deregulation	EE-570	3
						Power systems dynamics	EE-470	3
						Renewable Energy	MG-460	4
						Smart grid technologies	EE-472	5
						Sustainability assessment of urban systems	ENV-461	3
						Thermodynamics of energy conversion and storage	ChE-414	3
				Totale CFU	30	Totale CFU		42
D BERLINO2	TECHNISCHE UNIVERSITÄT BERLIN	GERMANIA	1021737	CALCOLO NUMERICO	6	Numerische Mathematik I in den Ingenieurwissenschaften	20384	6
			1018754	MECCANICA DEI SOLIDI	9	Statik und elementare Festigkeitslehre	50583	9
						Werkstoffauswahl (WSA)	30543	6
				Totale CFU	15	Totale CFU		21
D HANNOVE01	GOTTFRIED WILHELM LEIBNIZ UNIVERSITAET HANNOVER	GERMANIA	1047247	CAMPIONAMENTO E TRATTAMENTO FISICO DEI SUOLI CONTAMINATI	6	Maritime and Port Engineering	348204	6
			1047525	MODELLI PER LA PREVISIONE DELL'INQUINAMENTO	6	Modelling in Sanitary Engineering	332719	6
						Solid Waste Management	332684	6
						Wetland Ecology and Management	330939	3
				Totale CFU	12	Totale CFU		21
D HANNOVE01	GOTTFRIED WILHELM LEIBNIZ UNIVERSITAET HANNOVER	GERMANIA	10589627	NEURAL NETWORKS FOR DATA SCIENCE APPLICATIONS	6	3D image processing and programming	0	5
			1047202	SIGNAL PROCESSING FOR BIG DATA	6	Business Administration for Engineers	0	2

						Image analysis I	0	5
					Totale CFU	12	Totale CFU	12
D KARLSRU05	HOCHSCHULE KARLSRUHE - TECHNIK UND WIRTSCHAFT	GERMANIA	1044041	FREIGHT TRANSPORT AND LOGISTICS	6	Deutsch als Fremdsprache (DaF) B1.1 Intensivkurs	FSB11D	4
			1017156	LINGUA TEDESCA	6	Deutsch als Fremdsprache (DaF) B1.2	FSDB12	4
			1044013	SAFETY AND RISK ANALYSIS	6	Deutsch für Praktikum und Beruf B1+ – German for internship and workplace B1+	FSDB1W	4
						Innovation Management for Technical Products	S 9141	2
						Introduction to Machine Learning	IP 301	2
						Machine Learning in Python	IP 302	2
						Reliability Engineering - Compact	IP 423	3
						Strategic International Human Resource Management	S 9926	2
						Supply Chain Management	S 9957/S 9950	2
					Totale CFU	18	Totale CFU	25
D KARLSRU05	HOCHSCHULE KARLSRUHE - TECHNIK UND WIRTSCHAFT	GERMANIA	1044041	FREIGHT TRANSPORT AND LOGISTICS	6	Introduction to Machine Learning	IP 301	2
			1044013	SAFETY AND RISK ANALYSIS	6	Machine Learning in Python	IP302	2
			10589585	TRANSPORT POLICIES	6	Projekt Human Factors in der Mobilität	VSMB21V	6
			1044015	URBAN AND REGIONAL POLICY	6	Strategic Management	IP 908	2
						Transport safety	VSMM404	12
					Totale CFU	24	Totale CFU	24
D STUTTGA01	UNIVERSITÄT STUTTGA RT	GERMANIA	10589560	ELECTRICAL MACHINES	9	Electrical machine II	2169100000	6
						Intensive German course	1042910000	3
						Thesis and research project (perovskite solar cells fabrication via state of the art method)	0	22
					Totale CFU	9	Totale CFU	31

E BARCELO03	UNIVERSIDAD POLITÉCNICA DE CATALUÑA	SPAGNA	1051375	ELEMENTI FINITI NELL'ANALISI STRUTTURALE	6	Advanced Technics in Construction	250722	5
			1001897	MECCANICA DELLE STRUTTURE BIDIMENSIONALI	6	Inspection, Analysis & Restoration of Historical Constructions	250710	5
			1051377	RIABILITAZIONE STRUTTURALE DI COSTRUZIONI IN MURATURA II	6	Mixed & composite structures	250475	5
			1051937	SEISMIC DESIGN OF CONCRETE AND TIMBER STRUCTURES	6	Numerical Methods for PDEs	250950	5
						Using construction waste	250723	5
				Totale CFU	24	Totale CFU	25	
E BARCELO03	UNIVERSIDAD POLITÉCNICA DE CATALUÑA	SPAGNA	1019501	COMPLEMENTI DI MECCANICA DELLE TERRE	6	Geotechnical design and construction	250420	5
			1044042	MARITIME CONSTRUCTIONS	6	Hydrometeorological Processes and Their Interactions with the Ground	250828	5
			1002874	MECCANICA DELLE ROCCE	6	Numerical Models in Geotechnical Engineering	250820	5
			1021888	SCAVI E GALLERIE IN AREA URBANA	6	Port and Offshore Engineering	250433	5
						Rock mechanics	250805	5
				Totale CFU	24	Totale CFU	25	
E BARCELO03	UNIVERSIDAD POLITÉCNICA DE CATALUÑA	SPAGNA	1041536	AEROELASTICITY	6	Acoustics	220223	3
			1041541	AEROSPACE MATERIALS	6	Advanced Aeroelasticity	220351	5
			1021759	CONTROLLO DELLE VIBRAZIONI E DEL RUMORE	6	Design and behaviour of special structures	205052	3
			1044024	LIQUID ROCKET ENGINES	6	Dynamic Analysis of Structures	205063	3
						Experimental Mechanics of Advanced Materials and Structures	205118	3
						Extension of Rocket Engine	220340	5
	Totale CFU	24	Totale CFU	22				
E BARCELO03	UNIVERSIDAD POLITÉCNICA DE CATALUÑA	SPAGNA	1021778	ELETTRONICA APPLICATA	6	Electronic Systems	820017	6
			1041623	IMPIANTISTICA TERMOTECNICA	9	Energy Storage	820322	6
						Fluid Mechanics	820013	6
				Totale CFU	15	Totale CFU	18	

E BARCELO03	UNIVERSIDAD POLITÉCNICA DE CATALUÑA	SPAGNA	10596073	RISCHIO E RESILIENZA TERRITORIALE	6	Gestión Ambiental	250717	5
			1047989	SICUREZZA NEI CANTIERI	6	Gestión de la Calidad	250718	5
			1018595	VALUTAZIONE DELLE RISORSE AMBIENTALI E DEL SOTTOSUOLO	6	Ingeniería de Estructuras	250725	6
						Seguridad y Salud en la Construcción	250729	5
				Totale CFU	18	Totale CFU	21	
E BARCELO03	UNIVERSIDAD POLITÉCNICA DE CATALUÑA	SPAGNA	1044260	METALLURGIA DEI NON FERROSI	6	BIOPOLYMERS AND BIOPLASTICS	295568	6
						BIOTECH PROCESSES AND POLYMER INDUSTRY	295551	6
						CHEMICAL AND CATALYTIC REACTION ENGINEERING	295552	6
				Totale CFU	6	Totale CFU	18	
E LLEIDA01	UNIVERSITAT DE LLEIDA	SPAGNA	10592721	DIAGNOSTICA DELLE MACCHINE E DEI SISTEMI ENERGETICI	6	Analysis of industrial thermal equipment	14540	6
			1047241	ENERGY MANAGEMENT	6	ELECTRIC MACHINERY IN INDUSTRY	14538	6
			1044573	PROGETTAZIONE DI IMPIANTI TERMOFRIGORIFERI	6	SISTEMAS DE FABRICACIÓN AVANZADOS	14521	6
				Totale CFU	18	Totale CFU	18	
E MADRID02	UNIVERSIDAD PONTIFICIA COMILLAS	SPAGNA	1052081	SMART GRIDS IN ELECTRIC POWER SYSTEMS	9	Energy Efficiency in Buildings	DIM-MEET-553	3
						English for Professional Purposes (C1)	E000002485	6
						ENVIRONMENTAL ENGINEERING AND SUSTAINABILITY	DIM-SAP-346	6
						OPERATION AND PLANNING OF FUTURE DISTRIBUTION NETWORKS	DIE-MSG-517	6
						OPERATION AND PLANNING OF FUTURE DISTRIBUTION NETWORKS LABORATORY	DIE-MSG-518	1,5
				Totale CFU	9	Totale CFU	22,5	
E MADRID02	UNIVERSIDAD PONTIFICIA COMILLAS	SPAGNA	10589560	ELECTRICAL MACHINES	9	Efficient energy conversion systems	DIM-MEET-559	3

			1052081	SMART GRIDS IN ELECTRIC POWER SYSTEMS	9	Electricity and Magnetism	DIE-SAP-212	6
						Energy Efficiency in Buildings	DIM-MESEM-553	3
						ENVIRONMENTAL ENGINEERING AND SUSTAINABILITY	DIM-SAP-346	6
						OPERATION AND PLANNING OF FUTURE DISTRIBUTION NETWORKS	DIE-MSG-517	6
						OPERATION AND PLANNING OF FUTURE DISTRIBUTION NETWORKS LABORATORY	DIE-MSG-518	1,5
				Totale CFU	18	Totale CFU		25,5
E MADRID05	UNIVERSIDAD POLITÉCNICA DE MADRID	SPAGNA	1044042	MARITIME CONSTRUCTIONS	6	Development and civil engineering	43000420	4,5
			1044022	TRANSPORT MODELLING AND PLANNING	12	Marine Energies	43000406	4,5
						Smart Ports	43000414	4,5
						Transport Demand Model	43000411	4,5
						Transport Planning Theory	43000127	4,5
				Totale CFU	18	Totale CFU		22,5
E MADRID05	UNIVERSIDAD POLITÉCNICA DE MADRID	SPAGNA	1017668	ARCHITETTURA TECNICA	6	Geologia	45001204	4,5
			1056022	IDROLOGIA E INFRASTRUTTURE IDRAULICHE	9	Hidráulica e hidrología	45001302	6
			1001898	MECCANICA DELLE TERRE	9	Mecanica de suelos y rocas	45001304	4,5
			101168	TECNICA ED ECONOMIA DEI TRASPORTI	6	Obras hidraulicas	585005145	6
			1005052	TOPOGRAFIA	6	Topografía	45001206	4,5
						Transportes	45001417	4,5
						Urbanismo	45001303	4,5
				Totale CFU	36	Totale CFU		34,5
E MADRID05	UNIVERSIDAD POLITÉCNICA DE MADRID	SPAGNA	1037939	MECCANICA DEL VOLO DEI LANCIATORI	6	Missiles Guidance, Navigation, Control And Trajectories Optimization	143003012	4,5
						Segmentos de Terra y Lanzamiento	143003026	4,5
						Sistemas de Control en Tiempo Discreto	143003047	5
				Totale CFU	6	Totale CFU		14

E MADRID05	UNIVERSIDAD POLITÉCNICA DE MADRID	SPAGNA	1009119	FONDAMENTI DI GEOTECNICA	9	Calculo de estructuras	45001305	4,5
			1018761	PROGETTAZIONE ARCHITETTONICA E URBANA	9	Geotecnia	45001311	4,5
			1023225	PROGETTAZIONE URBANISTICA	9	Hidraulica e hidrologia	45001302	6
			101186	TECNOLOGIA DEI MATERIALI E CHIMICA APPLICATA	6	Hormigon y estructuras metalicas	45001312	9
						Materiales de construccion	35001303	6
						Mecanica de suelos y rocas	45001304	4,5
						Paisaje y jardin	35001603	3
						Proyecto Urbano	35001802	6
						Proyectos 5	35001601	12
			Totale CFU	33	Totale CFU	55,5		
E MADRID05	UNIVERSIDAD POLITÉCNICA DE MADRID	SPAGNA	1044042	MARITIME CONSTRUCTIONS	6	Development and civil engineering	43000420	4,5
			1044022	TRANSPORT MODELLING AND PLANNING	12	Marine Energies	43000406	4,5
						Planning and urban management	43000415	4,5
						Smart ports	43000414	4,5
						Transport Demand Models	43000411	4,5
			Totale CFU	18	Totale CFU	22,5		
E MADRID05	UNIVERSIDAD POLITÉCNICA DE MADRID	SPAGNA	1021800	GUIDA E NAVIGAZIONE AEREA	6	Actuaciones, Diseño y Ensayos de Aerorreactores	143002001	6
			10595982	HUMAN FACTORS	6	Desarrollo verificación y validación del sistema ATM	143005012	5
			1021897	SISTEMI DI ASSISTENZA AL VOLO	6	Desarrollo del concepto de espacio aereo	143005008	5
						Factores Humanos y Automatización en ATM	143005013	5
						Motores Alternativos Aeronauticos	145006104	2
						Predicción, Optimización y Sincronización de Trayectorias	143005010	5
			Totale CFU	18	Totale CFU	28		
E MADRID14	UNIVERSIDAD CARLOS III DE MADRID	SPAGNA	1017398	ECONOMIA E ORGANIZZAZIONE AZIENDALE	9	Advanced knowledge of Spreadsheets	17881	1,5

			10592728	TECNOLOGIE DELLE STRUTTURE AEROSPAZIALI METALLICHE E IN COMPOSITO	6	Aerospace Design	15348	6
						Information Skills	14155	1,5
						Mechanics of Flight I	14167	3
						Principles of economics: markets and financial failure	15089	6
						Space Veichles and Orbital Dynamics	14169	6
						Statistics	15371	6
				Totale CFU	15	Totale CFU		30
E MADRID14	UNIVERSIDAD CARLOS III DE MADRID	SPAGNA	1037939	MECCANICA DEL VOLO DEI LANCIATORI	6	Attitude Dynamics and Guidance Navigation and Control	18078	3
			1051406	SPACE ROBOTIC SYSTEMS	6	Entrepreneurship & Innovation	18099	3
						Launchers and Re-entry	18096	3
						Space Propulsion	18086	3
						Space Robotics & Automation	18098	3
						Space Science	18100	3
				Totale CFU	12	Totale CFU		18
E MADRID14	UNIVERSIDAD CARLOS III DE MADRID	SPAGNA	1011006	MECCANICA DEI FLUIDI	6	Biomechanics of continuum media II (fluids)	15544	6
			1044519	STRUMENTAZIONE BIOMEDICA I	9	Instrumentation and Multimodality Imaging	15561	6
						Medical Image Processing	14158	6
						Singals, Systems and circuits	18313	6
						Statistical Signal Processing	16496	6
				Totale CFU	15	Totale CFU		30
E MADRID14	UNIVERSIDAD CARLOS III DE MADRID	SPAGNA	1011710	PROBABILITA' E STATISTICA	6	Aerospace Propulsion I	14171	6
						Combustion	15359	3
						Programming	15530	6
						Statistics	13876	6
						Telecommunication Systems	15391	6
				Totale CFU	6	Totale CFU		27
E MADRID26	UNIVERSIDAD REY JUAN CARLOS	SPAGNA	1015381	FISICA II	9	Elasticidad y Resistencia en Estructuras Aeronáuticas	2339016	6
						Física y Electrónica	2039007	6
						Mecanica de Fluidos	2339018	6

						Sistemas y Circuitos	2042009	6
					Totale CFU	Totale CFU		24
E MURCIA04	UNIVERSIDAD POLITECNICA DE CARTAGENA	SPAGNA	1022092	ARCHITETTURA E COMPOSIZIONE ARCHITETTONICA II CON LABORATORIO PROGETTUALE	12	Economia aplicada a la empresa	502101002	7,5
			1022004	STORIA DELL'ARCHITETTURA E DELL'ARTE CONTEMPORANEA	9	Elementos de la arquitectura	519103004	6
			1047191	URBANISTICA CON LABORATORIO PROGETTUALE	12	Estética y composicion	519104003	6
						Estructuras de edificación 1	519102008	6
						Estructuras de edificación 2	519103008	6
						Historia de la arquitectura 2	519101008	6
						Instalaciones 1	519103005	3
						Instalaciones 2	519104004	6
						Ordenacion del territorio	519105006	6
						Peritaciones y Tasaciones	502104002	4,5
						Técnicas de Intervención en patrimonio Arquitectónico	519109007	3
						Urbanistica 2	519104007	6
					Totale CFU	Totale CFU		66
E SANTAND01	UNIVERSIDAD DE CANTABRIA	SPAGNA	1017645	GESTIONE DELLA QUALITA'	6	Contaminación Atmosférica	G794	6
			1021816	INTERAZIONE MACCHINE AMBIENTE	6	Gestión de la Calidad	G717	6
						Métodos Matemáticos para Ingeniería	G855	6
					Totale CFU	Totale CFU		18
E SEVILLA01	UNIVERSIDAD DE SEVILLA	SPAGNA	1022031	ARCHITETTURA TECNICA II CON LABORATORIO PROGETTUALE	12	Estructuras I	2440015	6
			10589904	IMPIANTI TERMO-TECNICI PER L'EDILIZIA	6	Estructuras II	2440024	6
			1012202	SCIENZA DELLE COSTRUZIONI	9	Instalaciones I	2440018	6
						Materiales II	2440019	6
						Proyectos Técnicos I	2440029	6
						Proyectos Técnicos II, Auditoria de Proyectos y Oficina Tecnica	2440030	6
						Taller de Arquitectura 1	2330015	6
						Taller de Arquitectura 5	2330034	6
					Totale CFU	Totale CFU		48
E SEVILLA01	UNIVERSIDAD DE SEVILLA	SPAGNA	1021804	IMPIANTI AERONAUTICI	6	Calculos de Aeronaves	1970066	4,5

			1011710	PROBABILITA' E STATISTICA	6	Statistica e investigacion operativa	2270007	6
						Integracion de sistemas y pruebas funcionales	1970055	4,5
						Matematica Computational	1970069	4,5
						Métodos Matematicos	1970020	4,5
						Organizacion de impresa	1990014	6
				Totale CFU	12	Totale CFU		30
E SEVILLA01	UNIVERSIDAD DE SEVILLA	SPAGNA	1021767	ECONOMIA E ORGANIZZAZIONE AZIENDALE	6	Empresa	2210006	6
						Estadística e Investigación Operativa	2210007	6
						Métodos numéricos en la Ingeniería	0	6
				Totale CFU	6	Totale CFU		18
E SEVILLA01	UNIVERSIDAD DE SEVILLA	SPAGNA	1022031	ARCHITETTURA TECNICA II CON LABORATORIO PROGETTUALE	12	Estructuras I	2440015	6
			10589904	IMPIANTI TERMO-TECNICI PER L'EDILIZIA	6	Estructuras II	2440024	6
			1012202	SCIENZA DELLE COSTRUZIONI	9	Instalaciones I	2440018	6
			101186	TECNOLOGIA DEI MATERIALI E CHIMICA APPLICATA	6	Materiales II	2440019	6
						Proyectos Técnicos I	2440029	6
						Proyectos Técnicos II, Auditoria de Proyectos y Oficina Tecnica	2440030	6
						Taller de Arquitectura 1	2330015	6
						Taller de Arquitectura 5	2330034	6
				Totale CFU	33	Totale CFU		48
E SEVILLA01	UNIVERSIDAD DE SEVILLA	SPAGNA	1022001	SISTEMI ENERGETICI	9	Física II	2070007	6
						Ingeniería Energética y Transmisión de Calor	2070017	6
						Ingeniería Fluidomecánica	2070025	6
						Obras y Montajes Industriales	2070023	6
						Procesos de Fabricación	2070019	6
				Totale CFU	9	Totale CFU		30
E SEVILLA01	UNIVERSIDAD DE SEVILLA	SPAGNA	1021759	CONTROLLO DELLE VIBRAZIONI E DEL RUMORE	6	Energía y medioambiente	51460100	3
			1021948	COSTRUZIONE DI MACCHINE	9	Gestión de la calidad	51460007	5
			1017645	GESTIONE DELLA QUALITA'	6	Ingeniería estructural III	51460040	5

						Redes de transporte y distribución	51460077	5
						Teoría y tecnología de máquinas y mecanismos II	51460046	5
					Totale CFU	21	Totale CFU	23
E SEVILLA01	UNIVERSIDAD DE SEVILLA	SPAGNA	10589560	ELECTRICAL MACHINES	9	digital measurement system & protection of electrical system	51640013	3
			1052081	SMART GRIDS IN ELECTRIC POWER SYSTEMS	9	Electrical Networks Analysis Laboratory	51640007	3
						quality and efficiency of electrical supply	51640002	3
						renewable energy generation	51640006	5
						Transitory and Dynamic Analysis of Electrical Systems	51640001	5
					Totale CFU	18	Totale CFU	19
E VALENCIO2	UNIVERSIDAD POLITECNICA DE VALENCIA	SPAGNA	1051396	ADVANCED HEAT AND MASS TRANSFER	9	Advanced fluid systems	33683	6
			1017832	CENTRALI TERMICHE	6	Combustion and heat generation	33702	4,5
						Heating, Cooling and Air Conditioning	33809	5,25
						Industrial and Chemical Technology	33812	4,5
						Solar Thermal and photovoltaic power plants	33707	4,5
					Totale CFU	15	Totale CFU	24,75
E VALENCIO2	UNIVERSIDAD POLITECNICA DE VALENCIA	SPAGNA	1041454	DYNAMICS OF ELECTRICAL MACHINES AND DRIVES	6	Tecnologías avanzadas de energía solar térmica	34088	4,5
			1021920	TECNOLOGIE ENERGETICHE SOSTENIBILI	6	Ampliación de Energía y Máquinas térmicas	33814	4,5
						Electric motors efficiency	14414	4,5
						Máquinas eléctricas	11429	4,5
						Sistemas híbridos renovables	34085	4,5
						Tecnología Medioambiental	12148	4,5
					Totale CFU	12	Totale CFU	27
E VALENCIO2	UNIVERSIDAD POLITECNICA DE VALENCIA	SPAGNA	1017989	ELETTROTECNICA	9	Electronic Engineering	11886	6
			1018754	MECCANICA DEI SOLIDI	9	Fluid Mechanics	11883	7,5
						Materials Science	11881	6

						New Promotional Platforms	32531	3
						Organizational Behaviour	34254	4,5
						Statistics	11873	6
						Strength of Materials	11880	6
						Totale CFU	18	39
E VALENCIO2	UNIVERSIDAD POLITECNICA DE VALENCIA	SPAGNA	1021969	IMPIANTI INDUSTRIALI	9	Manufacturing systems	12145	4,5
						Mechanical systems and strength of materials	12141	7,5
						Project Development and Execution	12147	6
						Totale CFU	9	18
E VALENCIO2	UNIVERSIDAD POLITECNICA DE VALENCIA	SPAGNA	1047501	ADVANCED METHODS IN MECHANICAL DESIGN	6	Advanced Three-Dimensional Sketching Techniques	32506	5
			1021797	GESTIONE DEGLI IMPIANTI INDUSTRIALI	6	Advanced Visualizations. Virtual Reality Applied to Product Design	32511	5
			1038263	GESTIONE DEI PROGETTI	6	Computer models of the product: implementation and optimization	32514	4,5
			10589132	MANAGEMENT DELL'INNOVAZIONE	6	Logistics and Supply Chain Processes_QB	34554	4,5
						Modelling of Systems-for Knowledge Management in Industrial Design	32501	5
						Models for the Innovation of Products and Services	32513	4,5
						Operations Management	33804	4,5
						Project Management	33803	4,5
						Totale CFU	24	37,5
E VALENCIO2	UNIVERSIDAD POLITECNICA DE VALENCIA	SPAGNA	1018756	ELEMENTI COSTRUTTIVI DELLE MACCHINE	9	Industrial Production Systems	12145	4,5
			1021969	IMPIANTI INDUSTRIALI	9	Mechanical systems and strength of materials	12141	7,5
						Project & Design Engineering	12147	6
						Thermodynamics and Fluid Mechanics	12140	6
						Totale CFU	18	24

E ZARAGOZ01	UNIVERSIDAD DE ZARAGOZA	SPAGNA	1020900	ANALISI AMBIENTALE DEI SISTEMI URBANI E TERRITORIALI	6	Fundamentos de electrotecnia	29635	6
						Ingenieria del medio ambiente	29609	6
						sistemas mecanicos en maquinas y vehiculos	29746	6
				Totale CFU	6	Totale CFU		18
EE TALLINN04	TALLINNA TEHNIKAULIKOOL	ESTONIA	1051502	ADVANCED ENERGY CONVERSION SYSTEMS	9	Applied Photovoltaics	EKM2600	6
			1052083	ELECTRICAL ENERGY CONVERSION FROM RENEWABLE SOURCES	6	Sustainable Engineering and Technology	EKM2500	9
						Sustainable/Cleaner Production	KAK8220	6
				Totale CFU	15	Totale CFU		21
EE TALLINN04	TALLINNA TEHNIKAULIKOOL	ESTONIA	1051502	ADVANCED ENERGY CONVERSION SYSTEMS	9	Applied Photovoltaics	EKM2600	6
			1052083	ELECTRICAL ENERGY CONVERSION FROM RENEWABLE SOURCES	6	Sustainable engineering and technology	EKM2500	9
						Sustainable/Cleaner Production	KAK8220	6
				Totale CFU	15	Totale CFU		21
F LEVALLO01	ECOLE SUPÉRIEURE DES TECHNIQUES AÉRONAUTIQUES ET DE CONSTRUCTION AUTOMOBILE	FRANCIA	1021737	CALCOLO NUMERICO	6	OD Modeling	CSY32	1
			1018756	ELEMENTI COSTRUTTIVI DELLE MACCHINE	9	Applied Statistics	STAT31	1
			1021778	ELETTRONICA APPLICATA	6	Automotive Architecture	AUAR31	1
			1017989	ELETTROTECNICA	9	CAO	CAO31	2
			1018757	MECCANICA APPLICATA ALLE MACCHINE	9	Digital Processing through microcontrollers	ELNU32	2
			1022001	SISTEMI ENERGETICI	9	Dimensioning of Mechanical Bonds	DLM31	3
						Engineering Project	PIA31	2
						English	ANG31	2
						English	ANG32	2
						Excel 2	EXC32	1
						Experimental Labwork	TPEXP32	1
						Finite Elements Methods	MEF32	1
						Fluid Mechanics	MDF32	2
						Heat Transfer	THE31	3
						Internal Combustion Engine 2	AUMT32	1
			Internal Combustion Engines	AUMT31	3			

						Introduction to CFD	CFD32	1	
						Introduction to vehicle dynamics	AUDY31	1	
						Longitudinal Dynamics	AUDL31	1	
						Numerical methods	ANUM32	2	
						Pneumatics	AUPE32	1	
						Power electronics I	MAEL31	1	
						Power electronics II	MAEL32	1	
						Professional and personal project	BEC31	1	
						Professional and personal project	BEC32	3	
						Signal processing	TDS31	2	
						Smart and Communicating Vehicle	AUVICOM32	1	
						Software Engineering and UML Object Modeling	UML32	1	
						Sustainable Development	DEV31	1	
						Systems Command and Modeling	MCS31	2	
						Systems Command by PID Controllers	CPID31	2	
						Systems Mechanics	MDS32	2	
						Transportation Project	PROJ32	3	
						Vehicle Dynamic Modeling	AUMDY32	1	
						Totale CFU	48	Totale CFU	55
F NANTES07	ECOLE NATIONALE SUPERIEURE DE MECANIQUE	FRANCIA	1001766	DINAMICA DELLE STRUTTURE	6	Durability and Structural Maintenance	0	4	
			1051375	ELEMENTI FINITI NELL'ANALISI STRUTTURALE	6	Earthquake Engineering	0	4	
			1001897	MECCANICA DELLE STRUTTURE BIDIMENSIONALI	6	FRENCH LANGUAGE	0	4	
			1051376	RIABILITAZIONE STRUTTURALE DI COSTRUZIONI IN MURATURA I	6	Large Infrastructures of Energy and Transport	0	4	
			1051382	RIABILITAZIONE STRUTTURALE DI EDIFICI IN CEMENTO ARMATO	6	Master thesis / internship	0	30	
			1051937	SEISMIC DESIGN OF CONCRETE AND TIMBER STRUCTURES	6	MECHANICS OF POROUS MEDIA	0	4	
			1051381	TEORIA DELLE STRUTTURE	6	NUMERICAL ANALYSIS	0	4	
						Project	0	2	

						Statistics of Materials and Structural Reliability	0	4
						Theory of Structures	0	4
					Totale CFU	42	Totale CFU	64
F PARIS013	UNIVERSITE PARIS 13 - PARIS NORD	FRANCIA	1044574	SICUREZZA E IMPATTO AMBIENTALE DEI SISTEMI ENERGETICI	9	U.E. Gestion, Transport et Transfert d'Energie	G5SEGTT	6
			1022001	SISTEMI ENERGETICI	9	U.E. Culture d'Entreprise 9	G5SGCES1	4
			1012093	STRUTTURA DELLA MATERIA	6	U.E. Efficacite Energetique pour l'industrie - Option A	G5SEEIA1	10
						U.E. Energie et Societe II	G5SEES2	3
					Totale CFU	24	Totale CFU	23
F PARIS086	ECOLE DES INGENIEURS DE LA VILLE DE PARIS	FRANCIA	1019479	CALCOLO NUMERICO CON ELEMENTI DI PROGRAMMAZIONE	9	Aménagement et gestion des espaces urbains	0	2
						outils numériques	0	10
						SHS	0	3
					Totale CFU	9	Totale CFU	15
F PARIS086	ECOLE DES INGENIEURS DE LA VILLE DE PARIS	FRANCIA	10592816	BUILDING DESIGN FOR SUSTAINABLE ARCHITECTURE-ARCHITECTURAL DESIGN	15	Aménagement et gestion des espaces urbains	0	5
			10589219	ENGINEERING GEOLOGY FOR SUSTAINABLE BUILDING	9	Métabolisme de la Ville	0	13
						Mobilité-transports	0	3
						Outils numériques	0	3
						ouverture international	0	3
					Totale CFU	24	Totale CFU	27
F PARIS468	SORBONNE UNIVERSITE [FORMER UNIVERSITÉ PIERRE ET MARIE CURIE PARIS VI, F PARIS006 & UNIVERSITÉ DE PARIS-SORBONNE PARIS IV, F PARIS004]	FRANCIA	1021969	IMPIANTI INDUSTRIALI	9	Entreprise et management	EPU-C5-SEM	3
			1022001	SISTEMI ENERGETICI	9	Fondement de l'efficacité énergétique	MU4MEE01	6
						Ingénierie Mécanique Energétique	MU4MEE03	3
						marketing	LU3GSG51	6

				Totale CFU	18	Totale CFU		18
HR ZAGREB01	SVEUCILIŠTE U ZAGREBU	CROAZIA	1044041	FREIGHT TRANSPORT AND LOGISTICS	6	Logistics and Transportation models	86882	5
			1044035	RAILWAY ENGINEERING	12	Railway Traffic Technology I	47731	7
						Railway Transport Management	60614	6
						Transport Ergonomics	171774	6
			Totale CFU	18	Totale CFU		24	
N TRONDHE01	NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET	NORVEGIA	1021794	GALLERIE PROFONDE	6	Coastal Engineering	TBA4270	7,5
			1002886	STABILITA' DEI PENDII	6	Energy Resources	FY2290	7,5
						Foundations and Slopes	TBA5155	7,5
						GIS Tools for Climate Change Studies	GEOG3527	7,5
			Totale CFU	12	Totale CFU		30	
N TRONDHE01	NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET	NORVEGIA	1055723	ADVANCED ENERGY CONVERSION SYSTEMS	9	Bioenergy: Technology and System	TEP4270	7,5
			1052083	ELECTRICAL ENERGY CONVERSION FROM RENEWABLE SOURCES	6	Design of a Wind Turbine	TEP4175	7,5
			1047241	ENERGY MANAGEMENT	6	Life Cycle Assessment	TEP4223	7,5
						Power System Analysis 1	TET4105	7,5
			Totale CFU	21	Totale CFU		30	
N TRONDHE01	NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET	NORVEGIA	1041742	BIOPHOTONICS LABORATORY	6	Bionanotechnology, Specialization Course	TFY4525	7,5
			10589519	ELECTROMAGNETIC FIELDS AND NANOSYSTEMS FOR BIOMEDICAL APPLICATIONS	6	Design and Entrepreneurship	TPD4260	7,5
			10589392	MICRO-NANO DEVICES AND MATERIALS FOR ELECTRICAL ELECTROMAGNETIC APPLICATIONS AND FUNDAMENTALS	9	French 2	FRA0502	7,5
						Introduction to Computational Fluid Dynamics	TEP4280	7,5
						Language Proficiency 1	TYSK1003	7,5
						Nanomedicine II - Therapy	MOL3015	7,5
						Nanotechnology, Master's Thesis	TMT4910	30
						Semiconductor Devices	TFE4146	7,5
			Totale CFU	21	Totale CFU		82,5	

N TRONDHE01	NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET	NORVEGIA	1047505	ADDITIVE MANUFACTURING AND PRODUCTION SYSTEMS	6	Applied project management	TPK5100	7,5
			1022657	GESTIONE DEGLI IMPIANTI INDUSTRIALI	9	Industrial Logistics Systems Design	tpk4131	7,5
			1038263	GESTIONE DEI PROGETTI	6	Innovation by Design Thinking	TMM4220	7,5
			1017645	GESTIONE DELLA QUALITA'	6	Machining and Additive Manufacturing	TPK4440	7,5
						Quality and Performance Oriented Management	TPK4110	7,5
						Supply Chain Management	TPK4160	7,5
				Totale CFU	27	Totale CFU		45
N TRONDHE01	NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET	NORVEGIA	1047501	ADVANCED METHODS IN MECHANICAL DESIGN	6	Elements of model Engineering	TPK5120	7,5
			1044962	CONTROL SYSTEMS	9	Industrial systems engineering	TPK 4185	7,5
						Introduction to computational fluid dynamics	TEP 4280	7,5
						Multi variate analysis and machine learning methods	TTK4260	7,5
						Signal Processing	TFY4280	7,5
				Totale CFU	15	Totale CFU		37,5
NL DELFT01	TECHNISCHE UNIVERSITEIT DELFT	OLANDA	1047501	ADVANCED METHODS IN MECHANICAL DESIGN	6	Discrete Element Method (DEM) simulation	ME44115	4
			1021719	AERODINAMICA DEL VEICOLO	6	Integration Project Multi-Machine Systems	ME44110	5
			1022015	TECNOLOGIE SPECIALI	9	Machine Learning for Transport and Multi-Machine Systems	ME44312	3
						Materials Selection for Engineering Applications	MS43115	3
						Multiphysics Modelling using COMSOL	ME46095	4
						System Analysis and Simulation	ME44305	5
				Totale CFU	21	Totale CFU		24
NL DELFT01	TECHNISCHE UNIVERSITEIT DELFT	OLANDA	1037937	ELETTRONICA DEI SISTEMI SPAZIALI	6	Additive Manufacturing	AE4ASM521	3
						Design of Self-healing materials	AE4ASM508	3
						Thesis research	TH	22
				Totale CFU	6	Totale CFU		28
NL DELFT01	TECHNISCHE UNIVERSITEIT DELFT	OLANDA	1041541	AEROSPACE MATERIALS	6	Continuum Mechanics	AE4ASM514TU	4

			10592715	ANALISI TERMOELASTICA E PIEZOELETTRICA DELLE STRUTTURE AEROSPAZIALI	6	Hydrogen Technology	set-85	4
			1041575	EXPERIMENTAL TESTING FOR AEROSPACE STRUCTURES	6	Material Selection for Mechanical Design	AE4ASM516	3
			1044093	NONLINEAR ANALYSIS OF STRUCTURES	6	Materials at High Temperature	MS43310	4
						Sheet Metal Forming	AE4ASM503	3
						Stability & Analysis of Structures II	AE4ASM511	3
						Structural Integrity and Maintenance	AE4ASM504	3
				Totale CFU	24	Totale CFU		24
NL DELFT01	TECHNISCHE UNIVERSITEIT DELFT	OLANDA	1047270	CATALISI INDUSTRIALE	6	Corrosion Engineering	MS43120	3
			10592815	CORROSION ENGINEERING	6	Electrochemistry for Renewable Energy	CH3513	4
			1034948	PROGETTAZIONE DEGLI IMPIANTI CHIMICI II	6	Energy Storage in Batteries	CH3222	4
						Green Chemistry and Sustainable Technology 3	LM331	3
						Heterogeneous Catalysis	CH3101	3
						Hydrogen Technology	set-85	4
						Process Intensification	CH3622	3
				Totale CFU	18	Totale CFU		24
NL DELFT01	TECHNISCHE UNIVERSITEIT DELFT	OLANDA	10589509	COSTRUZIONI ELETTROMECCANICHE	9	ADVANCED POWER ELECTRONICS	EE4515	4
			1021826	MACCHINE	6	DIGITAL MODELLING OF ELECTRIC POWERTRAIN	ET4291SET	4
			1021990	PRODUZIONE COMBINATA DELL'ENERGIA DA FONTI RINNOVABILI	9	ENERGY STORAGE IN BATTERIES	CH3222	4
						INTRODUCTION TO THE FINITE ELEMENT METHOD	CIE5123	4
						RAILWAY OPERATION AND CONTROL	CIE5826	4
						TRANSPORT, ROUTING AND SCHEDULING	WI4062TU	3
						VEHICLE DYNAMICS AND CONTROL	RO47017	5
				Totale CFU	24	Totale CFU		28

NL DELFT01	TECHNISCHE UNIVERSITEIT DELFT	OLANDA	1047501	ADVANCED METHODS IN MECHANICAL DESIGN	6	Discrete Element Method (DEM) simulation	ME44115	4
			1021719	AERODINAMICA DEL VEICOLO	6	Integration Project Multi-Machine Systems	ME44110	5
			1022015	TECNOLOGIE SPECIALI	9	Machine Learning for Transport and Multi-Machine Systems	ME44312	3
						Materials Selection for Engineering Applications	MS43115	3
						Multiphysics Modelling using COMSOL	ME46095	4
						System Analysis and Simulation	ME44305	5
						Totale CFU	21	Totale CFU
NL EINDHOV17	TECHNISCHE UNIVERSITEIT EINDHOVEN	OLANDA	1019435	ELEMENTI DI IMPIANTI E CENTRALI ELETTRICHE	9	Decentral power generation and active networks	5SEB0	5
			1016432	MACCHINE ELETTRICHE	9	Electrical power engineering and system integration	5LEE0	5
			10592723	TECHNOLOGY AND PHYSICS OF FUSION ENERGY	6	Fusion on the back of an envelope	3MF100	5
						High voltage technology	5SVA0	5
						Rotary permanent magnet machines	5SWA0	5
						Totale CFU	24	Totale CFU
NL ENSCHED01	UNIVERSITEIT TWENTE	OLANDA	10596201	ELECTROMAGNETIC COMPATIBILITY	6	ADVANCED COMPUTER VISION AND PATTERN RECOGNITION	201100254	5
			10596267	POWER ELECTRONICS AND POWER ELECTRONICS LAB	9	DATA SCIENCE	201400174	5
						ELECTROMAGNETIC COMPATIBILITY	191211040	5
						EMBEDDED SYSTEMS LABORATORY	201000168	5
						POWER ELECTRONIC SYSTEMS	202001506	5
						Totale CFU	15	Totale CFU
NL ENSCHED01	UNIVERSITEIT TWENTE	OLANDA	1052083	ELECTRICAL ENERGY CONVERSION FROM RENEWABLE SOURCES	6	Capita Selecta Thermal Fluid Engineering	201700397	20
			1052081	SMART GRIDS IN ELECTRIC POWER SYSTEMS	9	Distributed Energy Management for Smart Grids (DEMS)	201800126	5
						Electrical Power Engineering & System Integration	201700026	5
						Energy Conversion Technology	201600019	5
						Totale CFU	15	Totale CFU

P COIMBRA02	INSTITUTO POLITÉCNICO DE COIMBRA	PORTOGALLO	1051396	ADVANCED HEAT AND MASS TRANSFER	9	Applied thermodynamics	60011582	6
			1019435	ELEMENTI DI IMPIANTI E CENTRALI ELETTRICHE	9	Electric power systems	61000196	6
			1047241	ENERGY MANAGEMENT	6	Energy markets	60013735	6
			1051385	POWER SYSTEMS IN SMART BUILDINGS	6	Heat transfer	60024505	5
						Industrial Electrical Systems	61000994	6
						Portuguese Language & Culture	60027979	6
						Power electronics	61000185	6
						Power Plants	60013101	6
						Renewable energies	60013729	6
						Thermal equipments	60011619	6
			Totale CFU	30	Totale CFU	59		
P LISBOA05	INSTITUTO POLITECNICO DE LISBOA	PORTOGALLO	1018581	ECONOMIA APPLICATA	6	Chemical and Biological Engineering	4089	5
			1020301	FENOMENI DI TRASPORTO I	6	Facilities, Services and Security	4096	5
			1020302	FONDAMENTI DELLE OPERAZIONI DI SEPARAZIONE	6	Industrial Economics	4094	4
			1042189	IMPIANTI CHIMICI	12	Numerical Calculus	3542	5
			1020304	LABORATORIO DI ANALISI DEI DATI	6	Process Simulation and Modelation	4100	5
			1018000	PROCESSI CHIMICI INDUSTRIALI	9	Separation Processes 1	4093	5
						Separation Processes 2	4095	5
						Statistics and Chemometrics	4092	5
						Transport Phenomena 1	4131	6
			Totale CFU	45	Totale CFU	45		
P LISBOA05	INSTITUTO POLITECNICO DE LISBOA	PORTOGALLO	1034948	PROGETTAZIONE DEGLI IMPIANTI CHIMICI II	6	Advanced Control Systems	2204	4,5
			1026994	SICUREZZA DEGLI IMPIANTI CHIMICI	9	Advanced Separation Processes	1677	5
			1034949	SISTEMI DI CONTROLLO DEGLI IMPIANTI CHIMICI	9	Chemical and Biological Reactors	2562	6
			1041588	TERMODINAMICA DELL'INGEGNERIA CHIMICA II	6	Energetic Sustainability	3631	4,5
						Natural and Technology Risk Management	3545	4,5
						Organization and Management	1961	5
						Process Integration	3332	5

						Systems Modelling	1771	5,5
				Totale CFU	30	Totale CFU		40
P LISBOA109	UNIVERSIDADE DE LISBOA	PORTOGALLO	1047247	CAMPIONAMENTO E TRATTAMENTO FISICO DEI SUOLI CONTAMINATI	6	Air Quality Engineering	Equal	6
						Green Technologies and Strategic Management	TV-PQN	6
						Master thesis	TH	30
				Totale CFU	6	Totale CFU		42
P LISBOA109	UNIVERSIDADE DE LISBOA	PORTOGALLO	1055722	AEROACOUSTICS	6	Aerodynamics III	Aer-III	6
			1021961	GASDINAMICA	9	Aircraft hybrid propulsion systems	SPHEA	6
			1021681	PROGETTO DI MACCHINE	6	Machine Components Design	PCMec	6
						New Configurations for Air Systems	NCVA	6
				Totale CFU	21	Totale CFU		24
P LISBOA109	UNIVERSIDADE DE LISBOA	PORTOGALLO	1021791	FONDAMENTI DI CHIMICA AMBIENTALE	6	Air Quality Engineering	Equal	6
			1047525	MODELLI PER LA PREVISIONE DELL'INQUINAMENTO	6	Green Technologies and strategic management	MEAmb2021	6
				Totale CFU	12	Totale CFU		12
P LISBOA109	UNIVERSIDADE DE LISBOA	PORTOGALLO	1055047	ECONOMICS OF TECHNOLOGY AND MANAGEMENT	6	Energy and Sustainability	ESust	6
			1044458	FLUID MACHINERY IN ENERGY CONVERSION SYSTEMS	9	Engineering Economics	EEco	6
			1022657	GESTIONE DEGLI IMPIANTI INDUSTRIALI	9	Heat Transfer	TCal	6
						Sustainable Design and Manufacturing	PPS	6
				Totale CFU	24	Totale CFU		24
P PORTO02	UNIVERSIDADE DO PORTO	PORTOGALLO	1035472	COMPATIBILITA' ELETTROMAGNETICA NEGLI APPARATI MEDICALI	6	BIOLOGICAL SYSTEM INTERFACES	MEB0029	6
			1044766	LABORATORIO DI BIOMECCANICA E INGEGNERIA TISSUTALE	6	MOBILE COMPUTING IN BIOMEDICAL ENGINEERING	M.BIO005	6
						REHABILITATION ENGINEERING	M.BIO008	6
						TISSUES REGENERATION AND REPAIR	M.BIO003	6
				Totale CFU	12	Totale CFU		24
PL BIALYST01	POLITECHNIKA BIALOSTOCKA	POLONIA	10589560	ELECTRICAL MACHINES	9	Control of Electrical Drives 2	IS-FEE-10025S	4

			10589510	GRID CONNECTED POWER ELECTRONIC CONVERTERS	6	Electrical Circuits 2	IS-FEE-10027S	6
			1052081	SMART GRIDS IN ELECTRIC POWER SYSTEMS	9	Electrical Machines 2	IS-FEE-10029S	6
						Electronics 1	IS-FEE-10006S	6
						High Voltage Technique	IS-FEE-10034S	6
				Totale CFU	24	Totale CFU		28
PL BIALYST01	POLITECHNIKA BIALOSTOCKA	POLONIA	10589560	ELECTRICAL MACHINES	9	Automotive Electronics	IS-FEE-10041S	4
			10596195	SMART GRIDS	9	Control of electrical drives 2	IS-FEE-10025S	4
						Electrical Circuits 2	IS-FEE-10027S	6
						Electrical Machines 2	IS-FEE-10029S	6
						Electronics 1	IS-FEE-10006S	6
						High Voltage Technique	IS-FEE-10034S	6
				Totale CFU	18	Totale CFU		32
PL KRAKOW03	POLITECHNIKA KRAKOWSKA	POLONIA	10589291	GEOTECHNICAL ENGINEERING	9	Concrete Structures	0	4
			10589479	HYDROLOGY	9	Foundations	0	3
						Geology	0	2
						Technology, mechanisation and automatisisation of construction works	0	3
						Water supply and sewerage	0	6
				Totale CFU	18	Totale CFU		18
PL WARSZAW02	POLITECHNIKA WARSZAWSKA	POLONIA	10589717	FONDAMENTI DI INGEGNERIA DELLE COMUNICAZIONI	6	Bezpieczenstwo procesow przemyslowych-Industrial Process Safety	1070-IC000-ISP-710	2
			1047636	MATHEMATICAL LOGIC FOR COMPUTER SCIENCE	6	Computer networks	1DA1704	3
			1026994	SICUREZZA DEGLI IMPIANTI CHIMICI	9	Computer Science 3	1DA1307	3
			1044392	SICUREZZA E GESTIONE DEI SISTEMI ELETTRICI	9	Electrical Measurements Instrumentation and Signal Transmission 1	1DA1309	4
						Electrical Measurements, Instrumentation and Signal Transmission lab	1DA1508	6
						Electrical Safety	1DA1701	3
						Energy Conversions	1DA2103	4
						Microprocessor Engineering lab	1DA1511	3

						Podstawy ochrony srodowiska- Fundamentals of Environmental Protection	1070-IC000-ISP-514	2
				Totale CFU	30	Totale CFU		30
PL WARSZAW02	POLITECHNIKA WARSZAWSKA	POLONIA	1051391	ELEMENTI DI ELETTROTECNICA E IMPIANTI ELETTRICI	9	Computer networks	1DA1704	3
			1041623	IMPIANTISTICA TERMOTECNICA	9	Electric power substations	1DA1712	3
			1044574	SICUREZZA E IMPATTO AMBIENTALE DEI SISTEMI ENERGETICI	9	Electric traction	1DA1505	3
						Electrical machines in the power engineering and automatization	1DA1506	3
						Electrical machines lab	1DA1507	4
						Electrical safety	1DA1701	3
						Electromagnetic compatibility	1DA1512	3
						Intelligent control for energy conversion	1DA1714	3
						Introduction to electrical power engineering proj	1DA1702	3
				Totale CFU	27	Totale CFU		28
PL WROCLAW02	POLITECHNIKA WROCLAWSKA	POLONIA	10589560	ELECTRICAL MACHINES	9	Electric Power System Operation and Control	ELR052531S	1
						Electric Power System Operation and Control	ELR052531W	2
						Electrical Devices 1	ELR052301W	3
						Electromechanical Systems in Renewable Energy	ELR053229S	1
						Electromechanical Systems in Renewable Energy	ELR053229W	1
						Modelling of Electrical Machines	ELR053110P	2
						Modelling of Electrical Machines	ELR053110W	1
						Power System Protection	ELR052231L	2
						Power System Protection	ELR052231W	3
						Protection and Control of Distributed Energy Sources 1	ELR052137W	2
						Social communication	PKH053821S	2
				Totale CFU	9	Totale CFU		20
S LINKOPI01	LINKÖPINGS UNIVERSITET	SVEZIA	1044766	LABORATORIO DI BIOMECCANICA E INGEGNERIA TISSUTALE	6	Biomechanical Modelling of Tissues and Systems	TMMS31	6
			1022858	MACHINE LEARNING	6	Biomedical Optics	TBMT57	6
						Digital Image Processing	TSBB08	6
						Nanotechnology	TFYA43	6

				Totale CFU	12	Totale CFU		24
S LINKOPI01	LINKÖPINGS UNIVERSITET	SVEZIA	1056060	INGEGNERIA PER LA MEDICINA RIGENERATIVA	6	Biomechanical Modelling of Tissues and Systems	TMMS31	6
			1044766	LABORATORIO DI BIOMECCANICA E INGEGNERIA TISSUTALE	6	Biomedical Optics	TBMT57	6
						Digital Image Processing	TSBB08	6
						Nanotechnology	TFYA43	6
				Totale CFU	12	Totale CFU	24	
S LINKOPI01	LINKÖPINGS UNIVERSITET	SVEZIA	1019435	ELEMENTI DI IMPIANTI E CENTRALI ELETTRICHE	9	Engineering Systems Design	TMHP03	6
			1020305	LABORATORIO DI INFORMATICA	6	Fluid Mechanics	TMMV18	6
						Power Electronics	TSTE25	6
						Powergrid and Technology for Renewable Production	TSTE26	6
						Programming C++	TDDE18	6
	Totale CFU	15	Totale CFU	30				
S TROLLHA01	HÖGSKOLAN VÄST	SVEZIA	1047505	ADDITIVE MANUFACTURING AND PRODUCTION SYSTEMS	6	Additive Manufacturing Processes	ADT610	7,5
			1022015	TECNOLOGIE SPECIALI	9	Automation and robotics research	RBS710	6
						Automation Systems	ATM700	6
						Dynamics and motion planning	DOB600	6
						Machining	K0003896	6
						Smart sensing	SSN600	6
						Surface engineering	YTI600	6
	Totale CFU	15	Totale CFU	43,5				
SF ESPOO12	AALTO UNIVERSITY	FINLANDIA	1051391	ELEMENTI DI ELETTROTECNICA E IMPIANTI ELETTRICI	9	ELECTRICITY DISTRIBUTION AND MARKETS	ELEC-E8406	5
			1022052	FISICA TECNICA	12	ELECTRONIC CIRCUITS	ELEC-C9600	5
			1041623	IMPIANTISTICA TERMOTECNICA	9	HEATING AND COOLING SYSTEMS	EEN-E4002	5
						LIGHTING TECHNOLOGIES AND APPLICATIONS	ELEC-E8701	5
						SMART GRID	ELEC-E8423	5
						THERMODYNAMICS AND HEAT TRANSFER	COE-C2007	5
	Totale CFU	30	Totale CFU	30				

SK BRATISL01	SLOVENSKA TECHNICKA UNIVERZITA V BRATISLAVE - SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA	SLOVACCHIA	1019248	IMPIANTI ALIMENTARI E BIOCHIMICI	9	Computational Design of Production Processes	N423P4_4I	4
			1034948	PROGETTAZIONE DEGLI IMPIANTI CHIMICI II	6	Environment Science	N429E2_4I	2
			1034949	SISTEMI DI CONTROLLO DEGLI IMPIANTI CHIMICI	9	Fundamentals of Safety Engineering	N423Z6_4B	3
			1041588	TERMODINAMICA DELL'INGEGNERIA CHIMICA II	6	multiphase reactors	N423V0_4I	6
						Petroleum and Hydrocarbon Technology	N417R0_4I	2
						Pharmaceutical engineering	N446_F0_4I	3
						Slovak for foreigners	433S1_4B	3
						technological projects	N423T1_4I	9
			Totale CFU	30	Totale CFU		32	
SK ZILINA01	ZILINSKÁ UNIVERZITA V ZILINE	SLOVACCHIA	1044041	FREIGHT TRANSPORT AND LOGISTICS	6	Controlling of the Railway Transport 1	13Z151	7
			1044042	MARITIME CONSTRUCTIONS	6	Economics of Road and Urban Transport	13C171	6
			1044035	RAILWAY ENGINEERING	12	Mechanics in Railway Transport	13Z152	5
			1044013	SAFETY AND RISK ANALYSIS	6	Nautical Safety	13V152	6
			1044015	URBAN AND REGIONAL POLICY	6	Operation of Waterways and Ports	13V253	7
						Technology of Cargo Transport	13C254	6
			Totale CFU	36	Totale CFU		37	
SK ZILINA01	ZILINSKÁ UNIVERZITA V ZILINE	SLOVACCHIA	1044037	AIR TRANSPORT	6	Aviation Law	11L251	5
			1044042	MARITIME CONSTRUCTIONS	6	Controlling of the Railway Transport 1	13Z151	7
			1044035	RAILWAY ENGINEERING	12	Economics of Road and Urban Transport	13C171	6
			1044013	SAFETY AND RISK ANALYSIS	6	Mechanics in Railway Transport	13Z152	5
			1044015	URBAN AND REGIONAL POLICY	6	Nautical Safety	13V152	6
						Operation of Waterways and Ports	13V253	7
						Technology of Cargo Transport	13C254	6
			Totale CFU	36	Totale CFU		42	

SK ZILINA01	ZILINSKÁ UNIVERZITA V ZILINE	SLOVACCHIA	1044022	TRANSPORT MODELLING AND PLANNING	12	Modelling of Systems	13S261	5
			1044015	URBAN AND REGIONAL POLICY	6	Modelling of Transport and Transportation Processes 1	13Z251	5
						Road and Urban Transport	13C171	6
						Transport in Territory Planning	11C250	5
				Totale CFU	18	Totale CFU	21	
TR ANKARA04	ORTA DOGU TEKNİK UNIVERSITESI (MIDDLE EAST TECHNICAL UNIVERSITY)	TURCHIA	10592628	NANOBIOTECHNOLOGY	6	Surface Processing of Materials	METE456	5
						Topics in Biotechnology	BTEC707	8
						Transport Phenomenon	METE305	6
				Totale CFU	6	Totale CFU	19	
TR ISTANBU04	ISTANBUL TEKNİK ÜNİVERSİTESİ	TURCHIA	10592711	DYNAMICS OF MICRO-MECHATRONIC SYSTEMS	6	Advanced Control Methods In Mechatronics	MKM505E	7,5
						Energy Systems for Buildings	EBT557E	7,5
						Introduction To Computer Aided Engineering	MKS537E	7
				Totale CFU	6	Totale CFU	22	