



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

SDG9 - course units: 270

Degree course	Course units
[D3A] ENVIRONMENT AND WORKPLACE PREVENTION TECHNIQUES 4	[D4233] TECHNIQUES OF RADIATION PROTECTION [D4246] CHRONIC DEGENERATIVE DISEASES ENVIRONMENT-RELATED [DM0260] CHRONIC DEGENERATIVE DISEASES ENVIRONMENT-RELATED I [D4810] HEALTH IN THE WORKPLACE AND LIFE
[F4F] PHYSICS 2nd Cycle 9	[DF0029] CONDENSED MATTER PHYSICS [DF0028] NUCLEAR AND SUBNUCLEAR PHYSICS [DF0118] ADVANCED COSMOLOGY [DF0117] ADVANCED QUANTUM FIELD THEORY [DF0051] ADVANCED SIMULATION TECHNIQUES [DF0063] ASTROPHYSICS [DF0046] DYNAMIC METEOROLOGY [DF0041] GENERAL RELATIVITY AND COSMOLOGY [DF0065] MAGNETOHYDRODYNAMICS OF ASTROPHYSICAL PLASMA
[F4D] CHEMISTRY 5	[F0034] ADVANCED INORGANIC CHEMISTRY [F0109] ADVANCED ORGANIC CHEMISTRY [F0052] ADVANCED ANALYTICAL METHODS [F1132] GREEN CHEMISTRY [F0110] ORGANIC SYNTHESIS WITH LABORATORY
[F4T] ATMOSPHERIC SCIENCE AND TECHNOLOGY 5	[DF0087] ADVANCED FLUID MECHANICS [DF0090] ADVANCED ELECTROMAGNETICS AND SCATTERING [DF0091] OPTOELECTRONIC SENSORS [DF0090] ADVANCED ELECTROMAGNETICS AND SCATTERING [DF0130] MICROWAVE REMOTE SENSING
[I4M] MECHANICAL ENGINEERING 11	[DG0186] MACHINE DESIGN [DG0098] COMPUTATIONAL FLUID DYNAMICS [I0235] MANAGEMENT OF ENERGY CONVERSION SYSTEMS [I0642] THERMAL MECHANICAL MEASURES AND TESTING [DG0015] COMPUTER AIDED DESIGN [DG0090] MANAGEMENT CONTROL [I0741] THERMAL SCIENCE [I0221] DYNAMICS AND CONTROL OF MACHINES [I0601] TURBOMACHINES AND INTERNAL COMBUSTION ENGINES [I0237] MECHANICAL VIBRATIONS



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

	<u>[DG0016] SUSTAINABLE ENERGY TECHNOLOGIES</u>
<u>[I4G] MANAGEMENT ENGINEERING</u> 8	<u>[I2G057] FINANCIAL SYSTEM ANALYSIS</u> <u>[I2G042] DATA BASES</u> <u>[DG0182] RAPID PROTOTYPING AND ADDITIVE MANUFACTURING</u> <u>[I2G053] PLANT SAFETY</u> <u>[I2G011] INDUSTRIAL PRODUCTION MANAGEMENT</u> <u>[I2G019] INDUSTRIAL LOGISTICS</u> <u>[I2G066] PLANT GENERAL SERVICES</u> <u>[DG0018] ADVANCED PRODUCTION SYSTEMS</u>
<u>[I3D] INDUSTRIAL ENGINEERING</u> 12	<u>[DG0169] ELECTRICAL ENGINEERING AND COMPLEMENTS</u> <u>[I1G041] FUNDAMENTALS OF COMPUTER SCIENCE</u> <u>[DG0022] MECHANICS WITH SOFTWARE LAB</u> <u>[DG0023] MATERIAL SCIENCE</u> <u>[I0239] BUSINESS MANAGEMENT & ORGANIZATIONAL DESIGN</u> <u>[I0219] INDUSTRIAL PLANTS</u> <u>[I0638] MANUFACTURING TECHNOLOGY</u> <u>[I0639] NON TRADITIONAL MANUFACTURING PROCESSES</u> <u>[I0622] APPLIED MECHANICS</u> <u>[I0658] ELECTRONICS I</u> <u>[DG0115] ELECTRIC PLANTS I</u> <u>[DG0177] ELECTRIC MACHINES AND COMPLEMENTS</u>
<u>[I4L] ELECTRICAL ENGINEERING</u> 9	<u>[I2L036] ELECTRIC DRIVES</u> <u>[DG0160] INDUSTRIAL AND POWER ELECTRONICS</u> <u>[DG0090] MANAGEMENT CONTROL</u> <u>[I0379] ELECTRICAL SYSTEMS FOR MOBILITY</u> <u>[DG0053] ELECTRICAL AUTOMATION AND LABORATORY</u> <u>[I2S017] MECHANICAL AUTOMATION AND MECHATRONICS</u> <u>[DG0095] APPLIED ELECTROTECHNICS AND CALCULATION METHODS</u> <u>[DG0080] MEASUREMENTS FOR INDUSTRY AND AUTOMATION</u> <u>[DG0094] DESIGN OF ELECTRIC MACHINES</u>



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

<p>[4E] ELECTRONICS ENGINEERING</p> <p>10</p>	<p>[I0333] DIGITAL ELECTRONICS [DG0082] HEALTHCARE SYSTEM MANAGEMENT AND MEDICAL DIAGNOSTIC INSTRUMENTATION [I0285] SIGNAL INTEGRITY [I0708] MICROELECTRONICS [DG0080] MEASUREMENTS FOR INDUSTRY AND AUTOMATION [DG0090] MANAGEMENT CONTROL [I0025] MEASUREMENT DATA PROCESSING [DG0084] BIOMEDICAL SENSORS AND INTERFACES [DG0083] BIOMEDICAL RADIO FREQUENCY SYSTEMS [DG0086] SYSTEMS AND TECHNOLOGY ELECTRONICS</p>
<p>[4H] CHEMICAL ENGINEERING</p> <p>8</p>	<p>[DG0163] INDUSTRIAL BIOPROCESSES [DG0183] INDUSTRIAL CHEMISTRY [I1H005] CHEMICAL PROCESSES DYNAMICS AND CONTROL [DG0179] GREEN ENGINEERING AND CATALYTIC PROCESSES [DG0180] MATERIALS AND CORROSION ENGINEERING [I0740] SAFETY IN PROCESS PLANT DESIGN [DG0162] POLYMERIC MATERIALS AND RECOVERY TECHNOLOGIES [DG0155] SOLID WASTE AND REMEDIATION OF CONTAMINATED SITES</p>
<p>[4R] ENVIRONMENTAL ENGINEERING</p> <p>8</p>	<p>[DH0104] FLUID HYDRAULICS AND HYDRAULIC RISK MITIGATION [I0351] MACHINE/ENVIRONMENT INTERACTION [DH0004] ENVIRONMENTAL ASSESSMENT AND GIS [I2R028] PURIFICATION OF LIQUID AND GASEOUS EFFLUENTS [DH0047] TRANSPORTATION ENGINEERING [I2R044] ENVIRONMENTAL AND TERRITORIAL HYDRAULICS [I0016] APPLIED HYDROGEOLOGY [I0409] GEODETIC AND TOPOGRAPHIC SCIENCES</p>
<p>[3A] CIVIL AND ENVIRONMENTAL ENGINEERING</p> <p>9</p>	<p>[I0441] APPLIED GEOLOGY [I0185] HYDRAULICS [I0706] BUILDING SCIENCE [I0607] MATERIALS TECHNOLOGY AND APPLIED CHEMISTRY [DH0031] ADVANCED OPEN CHANNEL FLOW AND HYDRAULIC STRUCTURES [I0305] CORROSION AND MATERIALS PROTECTION [DH0084] ENERGETIC OF BUILDINGS [I0618] TERRITORIAL PLANNING [I0619] FUNDAMENTALS OF ENVIRONMENTAL AND CHEMICAL ENGINEERING</p>



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

<p>[14A] CONSTRUCTION – ARCHITECTURAL ENGINEERING</p> <p>16</p>	<p>[12AL06] PROJECT LAB-BASED COURSE ON URBAN PLANNING</p> <p>[DH0048] FUNDAMENTALS OF TOPOGRAPHY AND CARTOGRAPHY</p> <p>[12A013] STATICS</p> <p>[12A017] TECHNICAL AND ENVIRONMENTAL PHYSICS</p> <p>[12AL18] PROJECT LAB-BASED COURSE ON URBAN TECHNIQUE</p> <p>[DH0072] LAW OF PUBLIC WORKS</p> <p>[12A016] BUILDING SCIENCE</p> <p>[12A018] URBAN PLANNING TECHNIQUE</p> <p>[11C030] HYDRAULICS AND HYDRAULIC CONSTRUCTIONS</p> <p>[DH0050] SITE ORGANIZATION AND STRUCTURAL DESIGN WORKSHOP</p> <p>[DH0007] MATERIALS AND TECHNIQUES FOR BUILDING REUSE</p> <p>[DH0051] ARCHITECTURAL AND DIGITAL MODELING SURVEYING</p> <p>[12A037] STREET, RAILROAD AND AIRPORT CONSTRUCTIONS</p> <p>[12A034] CONSTRUCTIONS IN SEISMIC AREA</p> <p>[DH0008] BUILDING REUSE AND CONSERVATION</p> <p>[DH0006] SUSTAINABLE CONSTRUCTION SYSTEMS</p>
<p>[14C] CIVIL ENGINEERING</p> <p>12</p>	<p>[DH0122] MATHEMATICAL MODELS FOR CIVIL ENGINEERING AND RISK ANALYSIS</p> <p>[DH0071] RESILIENCE AND URBAN RISK</p> <p>[DH0049] RESILIENCE AND URBAN RISK</p> <p>[DH0041] ENVIRONMENTAL ASSESSMENT TECHNIQUES</p> <p>[DH0042] COASTAL RISK</p> <p>[DH0044] EARTHQUAKE GEOTECHNICAL ENGINEERING</p> <p>[DH0034] ENVIRONMENTAL HYDRAULICS</p> <p>[DH0043] SEISMIC RISK ANALYSIS</p> <p>[DH0031] ADVANCED OPEN CHANNEL FLOW AND HYDRAULIC STRUCTURES</p> <p>[DH0046] DIGITAL CARTOGRAPHY AND GIS</p> <p>[DH0035] SLOPE STABILITY</p> <p>[10441] APPLIED GEOLOGY</p>
<p>[13S] CIVIL PROTECTION TECHNIQUES AND TERRITORIAL SAFETY</p> <p>9</p>	<p>[DH0089] DESIGN AND FUNDAMENTALS OF BIM</p> <p>[DH0087] FUNDAMENTALS OF CHEMISTRY AND MATERIALS</p> <p>[DH0086] FUNDAMENTALS OF PHYSICS</p> <p>[DH0088] APPLIED HYDROGEOLOGY AND GEOLOGY</p> <p>[DH0093] MECHANICS OF STRUCTURES</p> <p>[DH0092] TRANSPORTATION SAFETY</p> <p>[DH0091] TERRITORIAL ANALYSIS AND DIAGNOSIS TECHNIQUES AND GIS</p> <p>[DH0094] APPLIED HYDRAULICS AND HYDRAULIC STRUCTURES</p> <p>[DH0111] EMERGENCY MANAGEMENT</p>



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

[F3D] CHEMISTRY AND MATERIALS SCIENCE 4	[F0091] PHYSICS OF MATTER [F0094] METHODS OF MOLECULAR STRUCTURE INVESTIGATION [F0078] MATERIALS SCIENCE [B0284] MATERIALS AND BIOMATERIALS
[F3S] ENVIRONMENTAL SCIENCES AND TECHNOLOGY 3	[DM0407] MECHANISMS OF EVOLUTION AND ORIGIN OF BIODIVERSITY [F0324] GEOGRAPHIC INFORMATION SYSTEMS [DM0428] CONSERVATION AND MANAGEMENT OF BIODIVERSITY
[F4L] ENVIRONMENTAL BIOLOGY AND MANAGEMENT OF ECOSYSTEMS 4	[DM0224] ENVIRONMENTAL LAW AND ECONOMICS [DM0552] TERRITORIAL PLANNING TECHNIQUES AND ENVIRONMENTAL ASSESSMENT [DM0146] CONSERVATION BIOGEOGRAPHY [DM0446] BIOLOGICAL REPLIES TO ENVIRONMENTAL STRESS
[M4A] BUSINESS ADMINISTRATION, ECONOMICS AND FINANCE 11	[DG0038] ECONOMY AND POLICY OF EUROPEAN INTEGRATION [M0032] INDUSTRIAL ORGANIZATION [DG0072] MANAGEMENT AND GOVERNANCE OF INTERNATIONAL COMPANIES [DG0037] ADJUSTMENT OF FINANCIAL MARKETS [DG0040] INNOVATION ECONOMY [DG0074] REGIONAL ECONOMY [M0194] LAW OF PUBLIC CONTRACTS [M0024] ECONOMICS AND CORPORATE BUDGET [DG0035] ECONOMY AND FINANCE OF DECENTRAL GOVERNMENTS [DG0049] BUSINESS SERVICES ECONOMICS AND MANAGEMENT [DG0034] INTERNATIONAL CORPORATE FINANCE
[M3G] BUSINESS LAW ADVISOR 12	[M1G008] COMMERCIAL LAW [M0192] CRIMINAL LAW [M2G002] CIVIL LAW [M0215] TAX LAW I [M0214] TAX LAW II [M0012] ECONOMICS [M1G034] PUBLIC LAW [M1G019] ADMINISTRATIVE LAW [DG0077] EUROPEAN UNION AND COMPETITION LAW [M0216] LAW INTERPRETING THEORY AND FUNDAMENTAL RIGHTS [M1G015] LABOR LAW



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

	<u>[M1GC02] INDUSTRIAL LAW</u>
<u>[M3I] ECONOMICS AND MANAGEMENT</u> 3	<u>[DG0030] ACCOUNTING</u> <u>[M0070] ECONOMIC POLICY</u> <u>[M0082] MANAGEMENT OF FINANCIAL INSTITUTIONS</u>
<u>[P4P] APPLIED, CLINICAL AND HEALTH PSYCHOLOGY</u> 1	<u>[DB0071] LEGAL PSYCOLOGY AND PSYCHOLOGY OF CRIMINAL BEHAVIOR</u>
<u>[F4B] HEALTH AND NUTRITION BIOLOGY</u> 3	<u>[DM0542] USE OF MICROALGAE IN THE BIOENERGETIC AND NUTRACEUTICAL FIELD</u> <u>[F1023] GENETIC ENGINEERING AND GENOMICS</u> <u>[DM0597] BIOENERGIES AND BIOFUELS FROM VEGETABLE BIOMASS</u>
<u>[F4I] COMPUTER SCIENCE 2nd Cycle</u> 16	<u>[DT0679] INTELLIGENT AGENTS</u> <u>[DT0677] NETWORK ALGORITHMS</u> <u>[DT0223] SOFTWARE ARCHITECTURES</u> <u>[DT0213] CLOUD COMPUTING</u> <u>[DS9003] INFORMATION SYSTEMS AND NETWORK SECURITY</u> <u>[DT0678] INTELLIGENT KNOWLEDGE REPRESENTATION AND PROCESSING FOR EVENT DETECTION</u> <u>[DT0201] INTELLIGENT SYSTEMS AND ROBOTICS LABORATORY</u> <u>[DT0544] ONTOLOGIES FOR DATA REPRESENTATION: METHODS AND APPLICATIONS</u> <u>[DT0173] AUTONOMOUS NETWORKS</u> <u>[DT0681] LEARNING AND REASONING MACHINES</u> <u>[DT0317] BIG DATA MODELS AND ALGORITHMS</u> <u>[DT0205] BIO INFORMATICS</u> <u>[DT0683] DEEP NEURAL NETWORKS</u> <u>[DT0203] SERVICE - ORIENTED SOFTWARE ENGINEERING</u> <u>[DT0227] SOFTWARE ENGINEERING FOR AUTONOMOUS SYSTEMS</u> <u>[DT0427] CONTROL FOR SELF-ADAPTIVE CYBER-PHYSICAL SYSTEMS</u>
<u>[I4I] COMPUTER AND SYSTEMS ENGINEERING</u> 4	<u>[DT0618] LABORATORY OF AUTOMATIC SYSTEMS</u> <u>[DT0442] ADVANCED CONTROL SYSTEMS</u>



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

	<u>[DT0443] HYBRID SYSTEMS CONTROL AND SIMULATION</u> <u>[DT0620] INDUSTRIAL ELECTRONICS FOR AUTOMATION AND ENERGY</u>
<u>[I4T] TELECOMMUNICATIONS ENGINEERING</u> 11	<u>[DT0615] ADVANCED AND SOFTWARE DEFINED NETWORKS</u> <u>[DT0187] DIGITAL ELECTRONIC SYSTEMS</u> <u>[DT0349] ICT SECURITY</u> <u>[DT0181] COMBINATORICS AND CRIPTOGRAPHY</u> <u>[DT0060] NETWORK OPTIMIZATION</u> <u>[DT0596] OPTICAL COMMUNICATIONS</u> <u>[DT0192] WIRELESS COMMUNICATIONS</u> <u>[DT0195] EMBEDDED SYSTEMS</u> <u>[DT0597] MACHINE LEARNING FOR SMART CITIES AUTOMATION</u> <u>[DT0599] CLOUD ARCHITECTURE AND SERVICES</u> <u>[DT0593] WIRELESS CHANNELS, MIMO AND BEAMFORMING</u>
<u>[I3N] INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT) ENGINEERING</u> 9	<u>[I0646] SIGNAL ANALYSIS AND SIGNAL PROCESSING</u> <u>[I0536] ELECTRICAL ENGINEERING</u> <u>[I0647] OBJECT ORIENTED PROGRAMMING</u> <u>[I0637] LINEAR SYSTEMS THEORY</u> <u>[I0652] ELECTROMAGNETIC FIELDS</u> <u>[DT0625] MACHINE LEARNING FOR THE AUTOMATION OF TELECOMMUNICATIONS</u> <u>[DT0524] TELECOMMUNICATION NETWORKS</u> <u>[DT0182] MEASUREMENTS FOR TELECOMMUNICATIONS</u> <u>[I2I038] WEB PROGRAMMING</u>
<u>[B4C] CELLULAR AND MOLECULAR BIOTECHNOLOGY</u> 5	<u>[B0428] GENE THERAPY AND MOLECULAR BASIS OF THE DISEASES</u> <u>[B0496] MOLECULAR PHARMACOLOGY AND TOXICOLOGY</u> <u>[DM0140] GENETIC ENGINEERING, GENOMICS AND EPIGENOMICS</u> <u>[B0497] EXPERIMENTAL MODELS AND CELLULAR THERAPY</u> <u>[B0492] DEVELOPMENT AND PRODUCTION OF BIOTECHNOLOGICAL DRUGS</u>
<u>[D4U] NURSING AND MIDWIFERY SCIENCES</u> 5	<u>[D3949] HEALTHCARE COMPANIES ORGANIZATION</u> <u>[DM0457] SCIENCES OF PREVENTION, METHODS OF INTERVENTION IN THE COMMUNITY AND PALLIATIVE CARE</u> <u>[DM0459] LEGAL NURSING AND RISK MANAGEMENT</u> <u>[D4086] HEALTH MANAGEMENT IN THE DEPARTMENTS OF MATERNAL AND CHILD HEALTH, AND CRITICAL CARE</u> <u>[DM0464] RESEARCH METHODOLOGY APPLIED TO NURSING AND MIDWIFERY SCIENCES</u>



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

<p>[D3P] PSYCHIATRIC REHABILITATION TECHNIQUES</p> <p>10</p>	<p>[DM0472] CLINICAL AND SOCIAL PSYCHOLOGY</p> <p>[D0357] ADULT AND DEVELOPMENTAL PSYCHOPATOLOGY</p> <p>[DM0388] USER'S CENTRALITY AND WORKING WITH THE EQUIPE</p> <p>[D4173] DISABILITY AND REHABILITATION IN NEUROLOGY AND CHILD NEUROPSYCHIATRY</p> <p>[D4166] ORGANIC DISEASES IN MENTAL DISORDERS</p> <p>[DM0478] PSYCHO-DRUGS AND COGNITIVE-BEHAVIORAL INTERVENTIONS IN EVIDENCE-BASED TREATMENTS</p> <p>[D4168] PREVENTION AND HEALTH SERVICES</p> <p>[D2866] PRINCIPLES OF HEALTH MANAGEMENT AND FORENSIC MEDICINE</p> <p>[DM0482] EARLY TREATMENTS AND IN SPECIAL POPULATIONS</p> <p>[DM0480] EVALUATION OF THE RESULTS OF REHABILITATION INTERVENTIONS IN PSYCHIATRY</p>
<p>[D3R] IMAGING AND RADIOTHERAPY TECHNIQUES</p> <p>10</p>	<p>[D1862] DIAGNOSTIC IMAGE MANAGEMENT</p> <p>[D1910] DIAGNOSTIC IMAGING: TECHNIQUES AND EQUIPMENT</p> <p>[D2314] EQUIPMENT I</p> <p>[D2328] EQUIPMENT II</p> <p>[D2352] EQUIPMENT III</p> <p>[D3825] LABOR LAW</p> <p>[D2324] DIAGNOSTIC IMAGING TECHNIQUES I</p> <p>[D2348] DIAGNOSTIC IMAGING TECHNIQUES II</p> <p>[D4229] DIAGNOSTIC IMAGING TECHNIQUES III</p> <p>[D2366] RADIOTHERAPY TECHNIQUE</p>
<p>[F4Y] APPLIED DATA SCIENCE</p> <p>14</p>	<p>[DT0338] NETWORKS AND DECISION MODELS</p> <p>[DT0348] OPEN DATA AND WEB SERVICES</p> <p>[DT0701] PROGRAMMING METHODOLOGIES FOR DATA SCIENCE</p> <p>[DT0350] INFORMATION LAW AND ETHICS</p> <p>[DT0346] KNOWLEDGE, LANGUAGE AND REPRESENTATION</p> <p>[DT0521] BIG DATA PROCESSING, MANAGEMENT AND MINING</p> <p>[DT0345] BUSINESS LAW AND DATA PROCESSING</p> <p>[DT0383] ADVANCED TECHNIQUES FOR MACHINE LEARNING</p> <p>[DT0344] ECONOMICS OF DIGITAL TRANSFORMATION</p> <p>[DT0354] METHODS AND TECHNIQUES FOR SMART CITIES</p> <p>[DT0416] TIME SERIES WITH APPLICATIONS ON BIG DATA</p> <p>[DT0357] BUSINESS INTELLIGENCE FOR BUSINESS NETWORKS</p> <p>[DT0516] GEOGRAPHICAL INFORMATION SCIENCE</p> <p>[DT0381] MODELING AND DATA ANALYSIS</p>
<p>[S4J] PRIMARY TEACHER EDUCATION</p>	



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

4	<u>[DQ0479] LABORATORY OF EXPERIMENTAL PEDAGOGY</u> <u>[DQ0494] EXPERIMENTAL PEDAGOGY</u> <u>[DQ0406] GEOGRAPHY AND DIDACTICS OF GEOGRAPHY</u> <u>[S0307] LABORATORY OF GENERAL TEACHING</u>
<u>[S3C] EDUCATION AND SOCIAL WORK SCIENCES</u> 6	<u>[S1C003] GENERAL PSYCHOLOGY</u> <u>[DQ0337] GENERAL SOCIOLOGY</u> <u>[DQ0314] HEALTH PROTECTION AND PROMOTION</u> <u>[DQ0376] CULTURAL ANTHROPOLOGY</u> <u>[S1C005] THEORETICAL PHILOSOPHY</u> <u>[DQ0473] URBAN AND REGIONAL GEOGRAPHY</u>