

RESEARCH LINES (ACADEMIC MASTER'S DEGREE/DOCTORATE COURSE)

PROGRAM TOKEN	Program	Name	Area of concentration
33001014005P5	CHEMISTRY	APPLICATION OF MULTINUCLEAR RMN TO THE 2H, 7LI, 15N, 19F, 27AL, 29SI, 31P, 59CO, 77SE, 101RU, 113CD, 115SN, 117SN, 123TE, 195PT, 199HG NUCLEOS AND OTHERS	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	APPLICATION AND DEVELOPMENT OF ANALYTICAL METHODOLOGIES TO CHEMICAL AND PHARMACEUTIC INDUSTRIES	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	INDUSTRIAL BATTERIES	PHYSICAL-CHEMISTRY
33001014005P5	CHEMISTRY	BIOTRANSFORMATIONS OF PLANTS' NATURAL PRODUCTS; ANALYSIS OF MICROTOXINS	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	THEORETICAL CHEMISTRY AND DYNAMIC SYSTEMS	PHYSICAL-CHEMISTRY
33001014005P5	CHEMISTRY	CATALYSIS	INORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	COMPREHEENSION OF PLANT-ANIMAL- ENVIRONMENT INTERACTIONS	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	QUALITY CONTROL OF PHITOTERAPICS VIA RMN	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	DEVELOPMENT OF ANALYTICAL METHODOLOGIES TO NATURAL PRODUCTS BY SPECTROMETRIA OF MASSES CONNECTED TO CHROMATOGRAPHICAL TECHNIQUES (GCMS, LC-MS, LC-UV-MS-MS, CE-MS-MS)	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	DEVELOPMENT AND APPLICATION OF ELECTROANALYTICAL METHODS	ANALYTIC CHEMISTRY
33001014005P5	CHEMISTRY	STRUCTURAL DETERMINATION OF NATURAL PRODUCTS BY RMN AND IN CHEMICAL	ORGANIC CHEMISTRY

PROGRAM TOKEN	Program	Name	Area of concentration
		ECOLOGY: I INSULATION,	
33001014005P5	CHEMISTRY	IDENTIFICATION AND SYNTHESIS OF PHEROMONES AND KAIROMONES	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	ELEKTRODEPOSITION AND ELEKTRODISSOLUTION OF Q.A METALS	ANALYTICAL CHEMISTRY
33001014005P5	CHEMISTRY	METAL ELEKTRODUKTION AND ELEKTRODISSOLUTION	PHYSICAL CHEMISTRY
33001014005P5	CHEMISTRY	ELEKTROSYNTHESIS AND DESCRIPTION OF CONDUCTING POLYMERS	PHYSICAL CHEMISTRY
		STUDY OF ORGANIC REACTIONS AIMING TO BUILD COMPLEX MOLECULES WHOSE STRUCTURES PRESENT SYNTHETIC CHALLENGES ALLIED TO RELEVANT BIOLOGICAL ACTIVITIES.	
33001014005P5	CHEMISTRY		ORGANIC CHEMISTRY
		STUDY OF ZEOLITE TOPICS AND SUPRAMOLECULAR SYSTEMS	
33001014005P5	CHEMISTRY		INORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	STUDIES OF LITHIUM ION BATTERIES.	PHYSICAL CHEMISTRY
33001014005P5	CHEMISTRY	STUDIES OF LANGMUIR- BLODGETT FILMS	INORGANIC CHEMISTR
33001014005P5	CHEMISTRY	ELEKTROCHEMICAL STUDIES ON CORROSION OF METALS AND ON PASSIVATION FILMS.	PHYSICAL CHEMISTRY
		CLASSICAL PHYTOCHEMISTRY: ISOLATION, IDENTIFICATION	
33001014005P5	CHEMISTRY	AND TRANSFORMATION OF NATURAL PRODUCTS OF SECONDARY METABOLISM, WITH A VIEW TO THE THEIR PRACTICAL USE	ORGANIC CHEMISTR
33001014005P5	CHEMISTRY	MOLECULAR PHOTOIONIZATION	PHYSICAL CHEMISTRY
33001014005P5	CHEMISTRY	ENVIRONMENTAL MANAGEMENT OF WATER SUPPLIES	ANALYTICAL CHEMISTRY
33001014005P5	CHEMISTRY	TECHNOLOGY MANAGEMENT	PHYSICAL CHEMISTRY

PROGRAM TOKEN	Program	Name	Area of concentration
33001014005P5	CHEMISTRY	EXPERIMENTAL MEASURES OF SHOCK SEQUENCES OF ELASTIC COLLISIONS, ELECTRONIC EXCITEMENTS, IONIZATIONS AND ELECTRONIC CATCHES AND TOTAL SHOCK SECTION MOLECULAR MODELING	PHYSICAL CHEMISTRY
33001014005P5	CHEMISTRY	AND DOCKING AND APPLICATIONS TO THE DRUG STUDY	INORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	DYNAMIC PROCESSES IN THE INTERACTION OF ELECTRONS WITH ATOMS AND MOLECULES	PHYSICAL CHEMISTRY
33001014005P5	CHEMISTRY	PRODUCTION AND/OR CHARACTERIZATION OF MODIFIED ELECTRODES: CORROSION PROTECTION, ELECTRO-CATALYSIS, BATTERIES AND REJECTION TREATMENT	PHYSICAL CHEMISTRY
33001014005P5	CHEMISTRY	SENIMESCENT PROPERTIES	INORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	BIOINORGANIC CHEMISTRY	INORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	MEDICAL CHEMISTRY: CLASSICAL OR COMBINATORY SYNTHESIS OF NATURAL BIOACTIVE AND ANALOG PRODUCTS	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	ORGANIC SYNTHESIS AND DEVELOPMENT OF METHODS BY HIGHLY EFFICIENT LIQUID CHROMATOGRAPHY	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	SYNTHESIS OF BIOACTIVE NATURAL SUBSTANCES, METHODOLOGY IN ORGANIC SYNTHESIS	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	(CHEMISTRY) APPLICATION OF MULTINUCLEAR NMR FOR THE ² H, ⁷ LI, ¹⁵ N, ¹⁹ F, ²⁷ AL, ²⁹ SI, ³¹ P, ⁵⁹ CO, ⁷⁷ SE, ¹⁰¹ RU, ¹¹³ CD, ¹¹⁵ SN, ¹¹⁷ SN, ¹²³ TE, ¹⁹⁵ PT, ¹⁹⁹ HG, NUCLEUS AND OTHERS	CHEMISTRY
33001014005P5	CHEMISTRY	INORGANIC AND BIOINORGANIC	INORGANIC CHEMISTRY

PROGRAM TOKEN	Program	Name	Area of concentration
		PHOTOCHEMISTRY	
33001014005P5	CHEMIST RY	SYNTHESIS, DESCRIPTION AND APPLICATION OF CONDUCTING POLYMERS	PHYSICAL CHEMISTRY
33001014005P5	CHEMIST RY	CORROSION AND PROTECTIVE FILMS OF BIOCOMPATIBLE ALLOYS	PHYSICAL CHEMISTRY
33001014005P5	CHEMIST RY	DEVELOPMENT OF ELECTROCHEMICAL Q.A. SENSORS	ANALYTICAL-CHEMISTRY
33001014005P5	CHEMIST RY	GREEN CHEMISTRY	CHEMISTRY
33001014005P5	CHEMIST RY	SYNTHESIS OF ENANTIOSELECTIVE OF BIOACTIVE MOLECULES	ORGANIC CHEMISTRY
33001014005P5	CHEMIST RY	BIOCHEMICAL AND STRUCTURAL STUDIES OF BIOLOGICAL MACROMOLECULES	CHEMISTRY
33001014005P5	CHEMIST RY	(CHEMISTRY) CLASSICAL PHYTOCHEMISTRY: ISOLATION, IDENTIFICATION AND TRANSFORMATION OF NATURAL PRODUCTS OF SECONDARY METABOLISM, WITH A VIEW TO ITS PRACTICAL USE.	CHEMISTRY
33001014005P5	CHEMIST RY	DEVELOPMENT OF ELECTROCHEMICAL SENSORS	PHYSICAL CHEMISTRY
33001014005P5	CHEMIST RY	DEVELOPMENT AND ANALYSIS OF DIDACTIC MATERIALS	CHEMISTRY
33001014005P5	CHEMIST RY	DEVELOPMENT AND APPLICATION OF SPECTRO ANALYTICAL METHODS	ANALYTICAL CHEMISTRY
33001014005P5	CHEMIST RY	DEVELOPMENT AND APPLICATION OF SOME MODERN TECHNIQUES AS DOSY, HR / MAS, INVERSED DETECTION ANALYSIS IN MICRO QUANTITIES SCALE, DETERMINATION OF RELATIVE AND ABSOLUTE CONFIGURATION IN STEREOGENIC CENTERS	ORGANIC CHEMISTRY
33001014005P5	CHEMIST	ELECTRO CHEMISTRY	PHYSICAL CHEMISTRY

PROGRAM TOKEN	Program	Name	Area of concentration
	RY	CORROSION / PASSIVATION	
33001014005P5	CHEMIST RY	STUDY OF METALOPORRHINEES ENCAPSULATED IN ZEOLITES	INORGANIC CHEMISTRY
33001014005P5	CHEMIST RY	THEORETICAL STUDY OF CHEMICAL PROCESSES IN SOLUTION USING METHODS OF QUANTUM CHEMISTRY AND MOLECULAR SIMULATION IN STATISTICAL MECHANICS.	PHYSICAL CHEMISTRY
33001014005P5	CHEMIST RY	EXPERIMENTATION TO TEACHING	CHEMISTRY
05P5	CHEMIST RY	FLOW INJECTION ANALYSIS	ANALYTICAL CHEMISTRY
33001014005P5	CHEMIST RY	THERMAL ANALYSIS	ANALYTICAL CHEMISTRY
33001014005P5	CHEMIST RY	APPLICATIONS OF THE SNIF-NMR TECHNIQUE (SITE SPECIFIC NATURAL ISOTOPIC FRACTIONATION STUDIED BY NUCLEAR MAGNETIC RESONANCE) AND LIQUID NMR IN FOOD ANALYSIS (FOOD NMR);	ORGANIC CHEMISTRY
33001014005P5	CHEMIST RY	INITIAL TRAINING OF TEACHERS IN CHEMISTRY	CHEMISTRY
33001014005P5	CHEMIST RY	PLANT / MICROORGANISMS INTERACTION: SECONDARY METABOLISM OF ENDOFITIC, EPIPHYTIC MICROORGANISMS OR WITH ANY TYPE OF INTIMATE ASSOCIATION AT THE BIOCHEMICAL LEVEL WITH BRAZILIAN SUPERIOR PLANTS	ORGANIC CHEMISTRY
33001014005P5	CHEMIST RY	SURFACE MODIFICATION OF INORGANIC COMPOUNDS	INORGANIC CHEMISTRY
33001014005P5	CHEMIST RY	MORPHOLOGY IN POLYMERS, METALS AND CERAMICS	PHYSICAL CHEMISTRY
33001014005P5	CHEMIST RY	PROPERTIES OF CHEMICALLY MODIFIED SILICA GEL SURFACES AND THEIR APPLICATIONS	INORGANIC CHEMISTRY
33001014005P5	CHEMIST RY	CHEMISTRY AND CRYSTAL CHEMISTRY OF OXIDES, PHOSPHATES, NIOBATES AND RELATED INORGANIC COMPOUNDS; NON-METALLIC	INORGANIC CHEMISTRY

		MATERIALS, CATALYSTS	
33001014005P5	CHEMISTRY	BIOGEOCHEMISTRY OF AQUATIC ECOSYSTEMS	ANALYTICAL CHEMISTRY
33001014005P5	CHEMISTRY	COORDINATION AND ORGANOMETRIC COMPOUNDS, SYNTHESIS, DESCRIPTION, REACTIVITY, SPECTROSCOPY, ELECTROCHEMISTRY	INORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	STRUCTURAL CRYSTALLOGRAPHY	PHYSICAL CHEMISTRY
33001014005P5	CHEMISTRY	SUPRAMOLECULAR CHEMISTRY	INORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	CHEMICAL SENSORS	ANALYTICAL CHEMISTRY
33001014005P5	CHEMISTRY	ANTICORROSIVE PAINTS	PHYSICAL CHEMISTRY
33001014005P5	CHEMISTRY	(INORGANIC) MORPHOLOGY IN POLYMERS, METALS AND CERAMICS	INORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	SYNTHESIS, DESCRIPTION AND PREPARATION OF CHIRAL STATIONARY STAGES OF POLYSACCHARIDES	ANALYTICAL CHEMISTRY
33001014005P5	CHEMISTRY	FOOD ANALYSIS	ANALYTICAL CHEMISTRY
33001014005P5	CHEMISTRY	(CHEMISTRY) ORGANIC SYNTHESIS AND DEVELOPMENT OF METHODS BY LIQUID HIGHLY EFFICIENT CHROMATOGRAPHY	CHEMISTRY
33001014005P5	CHEMISTRY	SYNTHESIS AND DESCRIPTION OF PHOTONIC CRYSTALS	INORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	(CHEMISTRY) MORPHOLOGY IN POLYMERS, METALS AND CERAMICS	CHEMISTRY
33001014005P5	CHEMISTRY	SYNTHESIS OF HETEROCYCLIC COMPOUNDS WITH PHOTSENSITIVE ACTIVITIES - PORPHYRINOID DERIVATIVES OF PHTHALOCYANINE TYPE	ORGANIC CHEMISTRY
33001014005P5	CHEMISTRY	(CHEMISTRY) CHEMICAL SENSORS	CHEMISTRY
33001014005P5	CHEMISTRY	(INORGANIC) STRUCTURAL CRYSTALLOGRAPHY	INORGANIC CHEMISTRY

RESERACH LINES (PROFESSIONAL MASTER'S DEGREE)

Program Token	Program	Name	Area of concentration	Start Date	End Date
33001014024P0	CHEMISTRY	STRATEGIES OF TEACHING-LEARNING IN CHEMISTRY	CHEMISTRY TEACHING	01/01/2012	-
33001014024P0	CHEMISTRY	DEVELOPMENT OF EXPERIMENTS TO THE CHEMISTRY TEACHING	CHEMISTRY TEACHING	01/01/2012	-
33001014024P0	CHEMISTRY	DEVELOPMENT AND IMPROVEMENT OF CHEMICAL DEVICES AND PROCESSES	TECHNOLOGICAL CHEMISTRY	01/01/2012	-
33001014024P0	CHEMISTRY	INSTRUMENTAL ANALYSIS APPLIED IN INDUSTRIAL CHEMICAL PROCESSES	TECHNOLOGICAL CHEMISTRY		

ADMISSION PROCESS 1st semester/2017:

The Coordination of the Graduate Program in Chemistry of the Federal University of São Carlos - PPGQ/UFSCar, in accordance with its Internal Regulation, announces that applications for the Admission Process of the Academic Master's Degree, Professional Master's degree (Chemistry Teaching and Technological Chemistry) and Doctorate course for the first semester of 2017 open in November 7, 2016, according to the provisions established in this public announcement.

ACADEMIC MASTER'S DEGREE AND DOCTORATE COURSES Physical Chemistry, Chemistry, Inorganic Chemistry, Analytical Chemistry and Organic Chemistry

PROFESSIONAL MASTER'S DEGREE COURSE* Chemistry Teaching and Technological Chemistry

**The Admission Process to the professional Master's degree occurs once a year, in the beginning of the year.*

FURTHER INFORMATION:

<http://www.ppgq.ufscar.br>