The Basic Health Science Institute is an interdisciplinary institute, with a focus on forming human resources in different biomedical courses. It was founded in 1996 and its administration is located at 500 Sarmento Leite Street, in the city of Porto Alegre, the capital of Rio Grande do Sul state, Brazil. It has sections located at different campuses in our University. The building was inaugurated in 1924 and it hosted the Faculty of Medicine until 1974 and the Institute of Bioscience until 1996. Professors at this Institute are involved in important research projects and/or focused on community interactions, for national, scientific and technologic development, with international insertion through their publications and international accords with institutions from different countries. Our academic staff has a strong participation in international forums – journal editorial boards, conference program committees and scientific societies.

This Institute holds one undergraduate course (Biomedicine) and five Graduate Programs: Biochemistry, Physiology, Neurosciences, Agricultural, Environmental Microbiology, and Education in Sciences. Life Chemistry and Health. The Biomedicine Course was created in 2003 and officially recognized by the Brazilian Ministry of Education in 2007. The other 24 departments from 14 different Faculties and Institutes within the University also collaborate with the Course offering subjects. Its focus is to graduate general professionals, able to make analysis in different areas related to their professions. The course had ranked among the best in the country according to the Brazilian Ministry of Education and each year, 36 students start their BS degree in Biomedicine.

The Institute holds five graduate courses in this Institute as mentioned below:

1 - Biochemistry (Programa de Pós-Graduação em Ciências Biológicas – Bioquímica):
http://www.ufrgs.br/ppgbioq/

2 - Physiology (Programa de Pós-Graduação em Ciências Biológicas – Fisiologia):
http://www.ufrgs.br/ppgfisio/

3 - Neurosciences (Programa de Pós-Graduação em Ciências Biológicas – Neurociências):
http://www.ufrgs.br/ppgneuro/

4 - Agricultural and Environmental Microbiology (Programa de Pós-Graduação em Microbiologia Agrícola e do Ambiente):
http://www6.ufrgs.br/ppgmaa/

5 - Education in Sciences, Life Chemistry and Health (Programa de Pós-Graduação em Educação em Ciências, Química da Vida e Saúde):
http://www.ufrgs.br/ppgeducacasociencias/

These courses have 143 faculty members and over 215 MS and 185 PhD students. Most of the students receive scholarships from Brazilian funding agencies. The courses are ranked among the best in the country and many of them have international accord agreements.

Research groups
Our Institute has 40 official research groups (www.CNPq.br), where the academic staff are leaders and/or researchers. All the members of these groups are both active in research and teaching undergraduate and graduate courses in their areas. 121 Research fields developed by our Graduate Programs encompass a wide range of scientific areas related to biomedical sciences. Around 120 professors, distributed into 5 departments (Biochemistry, Physiology, Morphological Sciences, Microbiology and
Pharmacology), develop several projects. To learn more about our academic staff and their research projects, please see the links below:

**Biochemistry Department:**  
http://www.ufrgs.br/icbs/

**Physiology Department:**  
http://www.ufrgs.br/fisiologia/

**Microbiology Department:**  
http://www.ufrgs.br/icbs/

**Morphological Sciences Department:**  
http://www.ufrgs.br/icbs/

**Pharmacology Department:**  
http://www.ufrgs.br/icbs/

Different events are organized by our Institute on a periodic basis or exceptionally. Some examples are: Biomedicine Academic Week, Applied Microbiology Symposium, both offered every year; Neuroscience Workshop, Biochemistry Reports, happen every two years. National and International courses are held frequently.
**History and Structure**

The **Chemistry Institute (CI)** is the faculty at UFRGS that provides undergraduate and graduate programs, as well as research in the chemistry area. Nowadays, it is one of the most important research and formation of human resources centers in Brazil and Latin America.

The CI originated in the Industrial Chemistry Engineering Institute which was inaugurated in 1935 to house the Industrial Chemistry Course created July 17, 1920.

During its 45 years of activities, the Industrial Chemistry Engineering institute developed educational activities in the areas of chemistry and chemical engineering as well as analysis and testing services. It also embraced the Institute of Technology - Chemistry Sector (today known as the Foundation of Science and Technology of the Rio Grande do Sul State – CIENTEC), the Institute of Food Technology (today Institute of Science and Food Technology of UFRGS – ICF) and the Radiochemistry division of the Physics Institute and the Coal Experimental Institute.

Another important contribution to the development of the Chemistry in UFRGS took place at the Philosophy Faculty with the conception of the courses Licentiate in Chemistry and Bachelor’s degree in Chemistry, in 1942.

In 1970 it was founded, due to the current educational reform, the Chemistry Institute of UFRGS. The new unit was constituted as a central institute responsible for implementing teaching and research in Chemistry to the whole university. Its faculty was constituted with teachers from the Engineering School, the Philosophy Faculty, the Pharmacy, Agronomy, Veterinary and Geology Schools, divided in three departments: Inorganic Chemistry, Organic Chemistry and Physicochemical department.

Since 1981, the Chemistry Institute and its supplementary unit, The Management Center of Chemical Waste, are located in an approximate 10 000m² area in the Campus do Vale. Currently it is constituted of 42 administrative staff and a faculty of 80 professors:

- **41 in the Department of Inorganic Chemistry**
- **21 in the Department of Organic Chemistry**
- **18 in the Physicochemical Department.**

The majority of its faculty has doctorate degrees and full-time dedication.

**Undergraduate**

The institute is headquartered at the Chemistry course (Bachelor’s degree in Chemistry, Industrial Chemistry and Licentiate in Chemistry) with approximately 430 enrolled students. Besides the chemistry course, various disciplines are offered to the courses of Pharmacy, Engineering, Physics, Geology, Biomedicine, Biological Sciences, Nutrition and Agronomy.

**Graduate**

The Chemistry Institute offers a Chemistry Graduation Program as Master degree, Professional Masters and Doctorates degrees involving approximately 300 individuals. Besides its program, the Institute takes part in two interdisciplinary graduation programs in Materials Science, together with the Physics Institute and the School of Engineering, and the program of Microelectronics, together with Physics Institute, the Institute of Technology and the Engineering School.
Chemistry Institute

Research
The main research areas developed by the Institute are polymers, electrochemistry, catalysis, organic synthesis, materials chemistry, ionic liquids, analytical and environmental chemistry, oil chemistry, fuel and lubricants, organometallic chemistry, theoretical and computational chemistry, molecular dynamics, solids and surfaces, chemistry education and radioactive tracers.
The School of Engineering is one of the largest and most traditional academic units at UFRGS. Created in 1896 it has played a key role in the creation of several industries as well as other engineering courses in Rio Grande do Sul, having graduated more than 14 thousand engineers over these years. Ranked as one of the top Engineering Schools in Brazil, it currently offers 13 undergraduate programs, covering the most relevant engineering disciplines (Civil, Electrical, Mechanical, Chemical, Mines, Metallurgy, Materials, Industrial, Control and Automation, Environmental, Physics, Energy) with around 5000 enrolled undergraduate students. Every year, around 800 students are accepted to start their engineering degrees at the university in a very competitive and selective entrance examination process, on which more than 5000 candidates take part (around 8 candidates per available place).

The School of Engineering has also 9 Graduate Programs: (Civil, Electrical, Mechanical, Industrial, Mines/Metallurgy/Materials, Chemical, Design, Microelectronics and Materials Science), which award both Master (2 years) and PhD degrees (3 to 4 years). These graduated programs are also ranked among the top ones in Brazil, according to the evaluation process carried on by CAPES, a Brazilian agency of the Brazilian Ministry of Education. These graduate programs have several collaborations with foreign universities, including double PhD agreements with universities in France, Germany, Portugal and USA.

Our faculty staff includes more than 200 members, most of them working full time and holding PhDs awarded by top universities from 16 different countries. This has helped to establish a very active network with institutions around the world and ensuring an international benchmarking of our activities.

Being a research-driven institution, the School of Engineering has more than 60 research groups. Those research groups are not only recognized by their high level scientific research outcomes, but they have an extensive collaboration with several important industries and have contributed to the creation of spin-off companies. The region of Porto Alegre, the capital of Rio Grande do Sul and also considered the capital of Mercosul – the South American Common Market includes several important industries, from branches such as automobile, forging industry, petrochemical, manufacturing, electro-electronic equipments, and food industry.
Innovation, sustainability, social responsibility, and academic excellence are the pillars of the School of Engineering at UFRGS. Aiming to educate engineers with a global mentality the School of Engineering has increased its actions towards internationalization, including mobility programs for both undergrad and grad students, as well as double degree programs and the development of cooperative research on innovative projects. We strongly believe that this international collaboration allows an important oxygenation and an active participation in the scientific world scenario.
The Institute of Hydraulic Research (in Portuguese, Instituto de Pesquisas Hidráulicas, IPH) is the UFRGS institution responsible for water, through its education, research and extension activities in hydraulics, water resources and the natural environment. It was founded in 1953, initially for research and consultancy in the area of physical models of river and coastal hydraulic industries, and to provide support for engineering courses in its educational and hydraulics laboratories. When UNESCO set up a postgraduate program in 1969, IPH activities in education, research and extension expanded even further including providing services to the community. Within its fields, IPH set the standard not only in Brazil but throughout Latin America, while maintaining international ties with countries on almost all the continents. All IPH activity is focused on water: its use and protection, and issues related to conservation, treatment and environmental quality. As a substance universally essential for life and well-being, water has strategic importance in national life. Its ever-increasing importance requires not only competent people but also institutions that are well fitted to deal with difficult problems, and all IPH activities are undertaken with this spirit.

Graduation
Since 2006, IPH has been responsible (together with the School of Engineering) for the graduation course in Environmental Engineering, and its course in Water Engineering is due to start in 2012. The annual intake for the former course is 30 students, and the intake for the second will be 25. Overall, however, IPH gives lectures to 12 graduation courses (Agronomy, Architecture and Urban Planning, Marine Biology, Environmental Engineering, Cartographic Engineering, Civil Engineering, Materials Engineering, Mining Engineering, Production Engineering, Electrical Engineering, Metallurgical Engineering, Geography and Geology) with about 2000 students matriculating each year. When the course in Water Engineering begins, IPH will be contributing to 13 graduation courses.

IPH also runs a Technical Course in Hydrology with an annual input of 20 students who are trained to become Hydrological Technicians, and this course is highly regarded throughout all of Latin America.

Post-Graduation
IPH has a Post-Graduate Program in Water Resources and Environmental Sanitation since 1969, when Master courses were initiated. A Doctoral course began in 1989, which is highly regarded both nationally and internationally.

There are three main lines of research on a postgraduate level, all concern water and natural environment:
- Research and Modeling Water Processes;
- Use and Control of Water Resources;
- Evaluation, Protection and Management of Water Resources.

CAMPOS INTERNACIONAL
Areas of Activity
- Surface Hydrology: Hydrological models, forecasting and control of floods and droughts, urban hydrology, regionalization of river flow characteristics, hydrometry, eco-hydrology, river and lake hydrology, climate change.
- Hydrogeology: Hydrogeology of fractured rocks, study of coastal and continental aquifers, modeling of groundwater flows and transported material; prevention and mitigation of contamination in aquifers, evaluation of environmental risk.
- Erosion and sedimentation: production and transport of sediment within drainage basins, transport of sediment in rivers and canals, sediment deposition in reservoirs, density currents and coastal sedimentation.
- Irrigation and drainage: physics and hydrology of soils, soil-plant-water relations, irrigation and drainage systems, agro-hydrological models, crop water requirements, forecasting yield under water stress.
- Environmental Sanitation: Treatment of water and domestic waste, solid waste disposal, industrial waste treatment, water, air and soil quality models, environmental impact studies, indices of sustainability; sanitation in aquaculture and bioenergy, applied limnology and environmental preservation.
- Remote sensing and geoprocessing for water resources: automatic classification of satellite digital images, use of satellite imagery in water resources and environmental studies.
- Fluid mechanics and hydraulics: physical (reduced scale) models; 1D, 2D and 3D mathematical models of flow, hydrodynamic and transport phenomena, turbulent flow modeling, simulation and properties of density currents, Research of structures and hydraulic machines; Instrumentation.
- Planning and management of water resources: decision support systems in water resources, design and optimal development for water resource systems, optimal operation of water resource systems, management instruments, simulations of source and charging mechanisms for water use, management for integrated environmental evaluation of river basins, neural network techniques, fuzzy logic and multivariate analysis in the integrated planning of water resource systems. Environmental improvement.

Research and Development Laboratories
IPH has more than 80 projects each year in Research, Research and Development, and Extension, in partnership with public and private bodies, with wide scientific and social implications. The research program is the result of the creative capacity and initiative of IPH professors, which enriches education, supplies laboratories, and develops student ability. The IPH has a number of research groups within each research line of its post-graduate program and the scientific agendas of its sectors and laboratories.

Laboratories
- Erosion and Deposition Processes Laboratory
- Research Groups in Density Currents Laboratory
- Hydraulic Teaching Laboratory
- Hydraulic Works Laboratory
- Energy Efficiency and Hydraulics in Sanitation Laboratory
- Hydrometry Laboratory
- Sedimentation Laboratory
- Water and Soil Engineering Laboratory
- Eco-Technology and Limnology Laboratory
- Environmental Technology Laboratory
- Urban Waters Center Laboratory
- Instrumentation and Velocity Channel Laboratory

Main Research Groups
- Urban Water Center
- Climate and Water Resources
- Erosion and Sedimentation in River Basins
- Density Currents in Petroleum Research
- Advanced Technologies in Environmental Sanitation
- Hydrological System of the Tame Wetland
- Project for forecasting in Amazonia
- Planning and Management of Water Resources
- Hydraulic Structures
GEOGRAPHY

It operates with 6 lines of research: (Environmental Processes and geomorphological mapping, Climatology, Environmental Change and Processes Glaciers; desertification and desertification processes; Hydrogeographic; Coastal Management and Planning), Urban Studies (Participatory Processes for Management of Urban Space: Urban Territoriality; Dynamic Space); Agrarian Studies (Policy Planning Structuring: Occupation and colonization of RS); Regional Policy (Reform of State and Territorial Restructuring Trends: Scenarios in contemporary Río Grande do Sul; The Socio-Economic Integration and Geographical Scales), Education, and Remote Sensing and Geoprocessing.

Laboratories

Laboratory for Isotope Geology

The Laboratory for Isotope Geology at the Institute of Geosciences of Federal University of Río Grande do Sul (UFRGS-LIG) develops basic and applied research in the fields of geosciences, devoted to studies of isotopes and their application to:

1. Evolution of the Earth’s mantle and crust;
2. Metallogeny of deposits of metals and nonmetals;
3. Stratigraphy and Tectonics of sedimentary basins with emphasis on oil and gas deposits;
4. Environmental Geology

Geology

Mineralogy and Petrology
Paleontology and Stratigraphy

Geodesy

The Department of Geodesy’s primary objective is the dissemination, creation and diffusion of knowledge of Geodesy, Topography, Cartography, Photogrammetry and Remote Sensing Society of the service. The Department of Geodesy disseminates knowledge through classes taught by undergraduate courses in Architecture, Agronomy, Cartographic Engineering, Civil Engineering, Mining Engineering, Geography and Geology. The Department, in doing research, is creating knowledge that will feed the undergraduate and graduate levels. By placing the scientific expertise at the service of society, is enabling greater integration of the university with the community. These three actions together to allow develop an autonomous public university, free and quality service to the society that sustains it.
Institute of Geosciences

Laboratory Sample Preparation
Laboratory X-Ray Diffraction

Museums
Museum of Mineralogy
Museum of Topography
Structure

The Universidade Federal do Rio Grande do Sul Institute of Mathematics (IM/UFRGS) is the faculty responsible for teaching the Mathematics and Statistics disciplines for most of the undergraduate courses offered at UFRGS (Engineering, Physics, Chemistry, Computer and others). Founded on 9th March 1959, its undergraduate program is run by its two departments:

- Department of Pure and Applied Mathematics (DMPA)
- Department of Statistics (DEST)

Both departments are responsible for organizing and providing disciplines in the areas of mathematics and statistics for over twenty thousand students each academic year. In addition to supporting UFRGS’ courses in other faculties, the Mathematics Institute also offers undergraduate and graduate programs as follows:

Undergraduate Program
- Licensee in Mathematics
- Bachelor's Degree in Mathematics (major in Pure Mathematics and on Applied and Computational Mathematics)
- Bachelor's Degree in Statistics
- Graduate Program

The IM/UFRGS offers three Graduate Programs:
- Graduate Program in Mathematics
- Graduate Program in Applied Mathematics
- Graduate Program in Mathematics Teaching

Over one hundred students obtain their Doctorates and Masters degrees through these programs, recognized by CAPES (Coordination of Improvement of Higher Level Personnel), a public foundation attached to the Education Ministry in Brazil.
History
The Brazilian Center for Physics Research was founded in 1949. Two years later the National Research Council was inaugurated, immediately followed by the inauguration of the Institute of Pure and Applied Mathematics in 1952 and in 1953 the Center of Physical Research at the University of Rio Grande do Sul (URGS) opened, which six years later became the Institute of Physics and Mathematics. With over 50 years in existence, the Institute of Physics at UFRGS has significantly participated in Brazilian academic life.

In terms of education, the Institute has a distinguished position by offering high quality education to students of biology, engineering, physics, geology, mathematics and chemistry. The Institute of Physics at UFRGS was one of the first institutions to conduct research on Educational Sciences in Brazil, an activity currently dispersed to all Departments of Physics at almost all Brazilian universities. Institute of Physics at UFRGS is pioneer in the establishment of Graduate Education in Physics courses.

Graduate Program
The Graduate Program in Physics, both at Masters and PhD levels, received an "A" in its first evaluation by CAPES in 1979. Since then, the IF-UFRGS has achieved top marks in the evaluation CAPES. The last evaluation in 2010, the institute received the maximum grade.

Research
In terms of scientific research, the Institute has followed a very unique path. Since the Beginning the Center for Physics Research at UFRGS, the founders and coordinators of Institute of Physics at UFRGS has always had as a research policy guideline autonomously and naturally developing. The fruits of this policy are frequently demonstrative of its originality.

The chairmen of the electronics laboratory at the Center for Physics Research and its partner in the Institute of Physics at UFRGS, graduated engineers that established, EDISA a computer factory that originated the informational technology Center at UFRGS. Other graduates dedicated themselves to the foundation of the Graduation program in Computer Science, the seed of the Institute of Technology at UFRGS.

In the field of basic research the success is even more remarkable. Since 1960, with little equipment, Institute of Physics at UFRGS professors conducted their first experiment with angular correlation, an achievement considered impossible initially by colleagues from other Brazilian universities. A study published in 1966 by the professors Gerhard Jacob and Theodor Maris was the most quoted physical work by developing nations from authors of developed countries, between 1973 and 1978.

The first ion clocker in Latin America was installed here. When the Hubble Telescope was launched into orbit in 1990 only two Brazilian astronomers participated in the project, one of them Professor Eduardo Bica from Institute of Physics at UFRGS.

The 2007 Nobel Prize in Physics was divided between the French Albert Fert and the German Peter Grünberg for their contributions to the study of giant magneto resistance, a physical phenomenon related to the manufacture of magnetic memories and other electronic devices. Of all the papers published in this area, the most quoted as first author was Professor Mario Norberto Baiicich from the Institute of Physics at UFRGS, who earned his post-doctorate training in the laboratory of Professor Fert when the phenomenon was discovered.
The Institute of Informatics (INF) is a world-class center of excellence in Computer Science and Computer Engineering engaged in leading research, teaching, and technology transfer to industry. It was founded in 1989 as one of the faculties at UFRGS (Universidade Federal do Rio Grande do Sul), which is the largest public university in southern Brazil. The Institute has 71 faculty members, which makes it one of the biggest Computer Science and Computer Engineering groups in the country. One of our main characteristics is a strong connection between research on theory, software and hardware. The Institute also includes a team of 36 administrative staff to provide support to a community of over 700 undergraduate and 250 graduate students. The INF is internationally recognized as one of the most important Computer Science and Computer Engineering institutions in Latin America. Its faculty includes professors holding PhDs awarded by 20 different institutions from 8 countries. This diversity has enabled several successful international cooperation agreements. Our academic staff has a strong participation in international forums – journal editorial boards, conference program committees, and scientific societies.

Location
The INF is located in Porto Alegre, capital of the Rio Grande do Sul state, Brazil. Porto Alegre is a modern city with a population of over 1.5 million people. It has been recognized by the UN as the best capital city in Brazil in terms of quality of life.

Infrastructure
The Institute of Informatics has an infrastructure comparable to the best universities in the world. Its 7,500m2 of built area include 23 lecture rooms, 12 teaching labs with over 500 computers for undergraduate students, 35 research labs, 4 lecture theatres, and a specialized library with over 22,000 volumes.

Entrepreneurship
The Center for Entrepreneurship in Information Technology - CEI, founded in 1996, houses a technology incubator supporting innovative IT projects. The focus of CEI is to foster and strengthen the development of IT start-ups, providing technical support for technological innovation. CEI was the first technology incubator founded in southern Brazil and is considered a role model by assessment bodies in the Brazilian government. Since 1997, CEI has incubated over 30 new IT companies.

Undergraduate Programs
The INF runs two BS programs. Computer Science and Computer Engineering (the latter is offered jointly with the School of Engineering). Both programs rank as the best in the country, according to the Brazilian Ministry of Education. Each year, 100 Computer Science and 60 Computer Engineering students start their BS degrees.

BS in Computer Science graduates are qualified to design, develop, implement and manage computer systems, as well as providing solutions for personal computers, computer games, mobile devices, and complex corporate networks. The BS in Computer Engineering qualifies
professionals to work in areas where Electronics and Computing are complementary, such as micro-processing systems, embedded electronics, communication networks, industrial automation and microelectronics. The solid foundation provided by the Institute, complemented by the internship opportunities in collaborating institutions outside the country, offers broad career perspectives to our students and alumni.

Graduate Programs
The Graduate Program in Computing (PPGC) is home to various research groups. The program has 43 faculty members and over 250 MS and PhD students. PPGC prioritizes full-time students. All full-time students receive scholarships from Brazilian funding agencies. Since 1973, PPGC has awarded over 1,100 MS and 200 PhD degrees. Currently, it is one of five Brazilian graduate programs rated as world-class by the Brazilian Ministry of Education.

Professors and students regularly participate in the major international events in their fields. Some professors from the Institute of Informatics also take part in the Graduate Program of Microelectronics (PGMicro). As a result of this cooperation, in 2008, the first training center for the design of integrated circuits (VLSD) in Brazil was launched under the auspices of the Institute. Faculty members also participate in the Graduate Program in Technology & Education. This program fosters research on the development of modern educational methods and is a center of reference in distance learning.

Research Groups
Research, innovation, and technological development play a central role among the several activities undertaken within the INF. Our research groups carry out investigation on core areas of Computer Science and Computer Engineering, and the members of the groups are active both in research and in teaching undergraduate and graduate courses in their areas.

Currently, we have the following research groups:
• Computer Graphics, Image Processing and Interaction
• Computing Theory and Formal Methods
• Artificial Intelligence
• Parallel and Distributed Processing
• Digital TV
• Computational Tools for Integrated Circuits and Systems
• Computer Networks
• Embedded Systems
• Information Systems and Databases
• Testing and Design of Hardware and Software Systems
• Fault-tolerant Systems
• Bioinformatics
• Microelectronics

Guys having fun with their new Lego toy

International relations
Currently, there are 15 formal cooperation agreements with renowned institutions from Latin and North America, Europe and Australia. The strong international research liaisons also allow several of our students to undertake part of study abroad programs in universities or in IT companies' research centers. Several MS and PhD dissertations are co-supervised by faculty members from foreign universities. INF maintains regular interchange programs for undergraduate students with French and German universities. These programs allow dozens of students to take internships abroad. In return, we frequently host a large number of foreign students. In 2007, the first double-diploma degrees were awarded to students from UFRGS and INPG (Grenoble, France).
The **Faculty of Agronomy** (FAGRO) at Universidade Federal do Rio Grande do Sul (UFRGS) is ranked among the top colleges of agricultural sciences in Brazil. Its excellence in teaching, research and extension in agriculture is recognized on both national and international levels. FAGRO has 90 highly qualified faculty members teaching undergraduate and graduate courses with a support team of 86 administrative and technical staff.

**Historical developments**
The origins of FAGRO date back to 1895, when the Taquariense School of Agronomy was founded. In 1897, after the graduation of six agronomists, unfortunately, the school was closed due to financial problems. By the year of 1911, when a new building was constructed, the course reinitiated and the first class graduated in 1914. In 1917, in honor of its greatest benefactor, the institute was renamed as Borges de Medeiros Institute. The Institute further became a part of the University of Porto Alegre that was created in 1934 and was then named School of Agronomy and Veterinary. When federalization took place and University of Rio Grande do Sul was founded, in 1950, the School changed its name to the Faculty of Agronomy and Veterinary, in 1959. In 1970, after the university restructuring plan, Faculty of Veterinary was created and the name Faculty of Agronomy was adopted.

**Organizational and physical structure**
FAGRO is based at the Agronomy Campus, nearby the Vale Campus of UFRGS. It is basically composed of an administrative sector, located at the recently restored “Central Building” built in 1911, and six academic departments located on the campus where the teaching, research and extension activities in the various specialized fields of crop and husbandry production are conducted in laboratory and greenhouse facilities. Field research is conducted at the Agronomic Experimental Station that is located 70 km from the main campus and has a total area of 1560 acres. A modern fleet of 20 buses and vans that offers students an opportunity to travel around the state for field trips and a modern library and computer laboratory to provide students with an opportunity to freely access to information.

The six academic departments (and respective fields of study) are: Animal Science (nutrition, reproduction and breeding of poultry, beef and dairy cattle, swine, sheep and fishery); Field Crops (plant breeding and management of field crops - corn, wheat, oat, soybean, rice, tobacco, barley, potato, bean, rye, sunflower and sorghum - agricultural economics, planning, alternative production systems and weed science; Plant Protection (plant pathology, entomology, parasitology, agroecology and apiculture); Forage Crops and Agricultural Meteorology (forage production and breeding, micrometeorology, climatology, crop physiology and remote sensing); Horticulture and Forestry (management and breeding of horticultural and ornamental crops and forestry); Soil Science (pedology, soil chemistry and fertility, soil and water conservation and management, soil biology and biochemistry, land use and agricultural mechanization).
Faculty of Agronomy

Academic Programs
At the undergraduate levels, a major in Agronomy is offered to an average number of 450 students enrolled in over 135 courses in the current curricula in which each student may opt to specialize in plant production, animal science or agroecology. A major in Animal Science is under preparation and will soon be offered. At the graduate level, four programs are currently offered: Agribusiness, Soil Science, Animal Science and Crop Science. These programs are home to 28 research groups (certified by the Federal Research Council) and are composed of professors, postdocs, students and research assistants that receive scholarships and fellowships from Brazilian funding agencies. Since 1965, over 1450 M.Sc. and 400 Ph.D. degrees were granted.

International relations
Faculty members at FAGRO who are active in international collaborative research usually provide students opportunities to study and research work abroad. Formally, there are 10 formal cooperation agreements with renowned institutes from countries in Latin and North America, Europe and Africa, which provide opportunities for student to participate in internships abroad. For instance, a current Capes-Fipse program is underway, since 2008 and five students spent one semester abroad at the University of Florida and/or Texas Tech University. In return, FAGRO is a host of an increasing number of foreign students such as from United States, Portugal, Argentina, Angola, Mozambique, Paraguay and Belgium.