

**UDESC**

# GRADUATE PROGRAMS

SANTA CATARINA STATE UNIVERSITY

BRAZIL

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## Material Sciences and Engineering Graduate Program – MSEGP

### Program Objectives:

The Graduate in Material Sciences and Engineering Program – MSEGP, of the Udesc (Santa Catarina State University) has the mission of forming human resources with high-level qualification in the field of materials engineering, in addition to:

1. Forming trained and qualified professionals at the Master's and Doctorate levels to act in the professional market, especially in the regional industries and in higher education institutions;
2. Enhance the scientific-professional expertise of the post-graduates;
3. Develop research projects in partnership with national and international companies and institutions;
4. Study and develop new materials and processes that contribute to the establishment of a technology suited to the conditions of the region and Country;
5. Develop scientific and technological research in excellency level compatible with national and international demands of Science and Technology development fostering;
6. Allow the University to occupy its space as a leading element in technological innovation, with the insertion of regional and national economies through the capacity of developing education and transferring the high-standard scientific and technical research results.

### Courses:

Masters degree in materials science and engineering (Beginning in 01/01/1995);

Doctorate in materials science and engineering (Beginning in 01/01/2010).

### Concentration areas and research lines:

CERAMICS (Lines: 1. Ceramics and bioceramics; 2. Processes and development of ceramics and bioceramics; 3. Recycling and reuse of solid residues);

METALS (Lines: 1. Surface engineering; 2. Powder metallurgy; 3. Processes and development of metals and alloys);

NUMERICAL MODELING OF MATERIALS AND PROCESS SIMULATION (Line: Simulation methods applied to materials);

POLYMERS (Line: Processes and development of polymers).

### Program Differentials (Strengths):

1. Excellent infrastructure for conducting mechanical trials and researches;
2. Teaching staff formed of experienced and qualified professionals with a diverse formation, which remains stable throughout the years;
3. The MSEGP presents a strong interaction with the regional industry, from which derives approximately 50% of the academics, both from the masters and doctorate programs;
4. The professors of the MSEGP develop research activities with undergraduate students through scientific training scholarships - PIBIC (CNPq) and PROBIC (Udesc). This research activity has improved the integration between undergraduate students, masters/doctorate students, and advising professors, which also increases the quality of education and research;
5. The professors of the MSEGP perform in mandatory disciplines for the undergraduate programs of the Udesc, especially for the Mechanic Engineering course. Also, they offer optional disciplines as special topics for students at the end of the undergraduate program in Mechanic Engineering. This has increased the level of the undergraduate classes and awakened the interest of the students in progressing their studies at a Masters level;
6. The teaching practice of the MSEGP students is usually conducted in disciplines of the undergraduate program of Udesc (such as Mechanic Construction Materials, Experimental Chemistry, and others), and is well evaluated undergraduate and post-graduate students. The MSEGP is a consolidated program. The Master's program is a reference in the state of Santa Catarina and directly contributes for the regional growth. The evolution is directly related to the offer of the Doctorate program in the sense of giving continuity to the high-level researches and provide significant demand for these programs in the region.

**Minimum formation and other requirements for ingress:**

DOCTORATE PROGRAM: registrations to the Doctorate Program selection process will be accepted from bearers of a Master's diploma in a field associated to the area of concentration of the program, obtained in programs recognized by the Ministry of Education – MEC or State Education Council – CEE, approved by CAPES.

MASTER'S PROGRAM: registrations to the Master's Program will be accepted from bearers of a diploma of Engineer, bachelor or licentiate degree in Physics, Chemistry, Architecture and Mathematics, Medicine, Dentistry, Biology and Biochemistry, Technicians in correlated areas to Materials science and engineering.

**Form/period of ingress:**

DOCTORATE: Candidate selection will occur in a single stage: written exam. Rules and alterations provided in the Notice.

MASTER'S PROGRAM: Candidate selection will occur in two stages: 1) Written exam (60% of the evaluation); 2) Document analysis and interview (40%). Rules and alterations provided in the Notice.

**Selection/Ingress Notice:** <http://www.udesc.br/cct/ppgcem>

**Teaching staff:** <http://www.udesc.br/cct/ppgcem/docente>

**Program website:** <http://www.udesc.br/cct/ppgcem>

**Disciplines:** <http://www.udesc.br/cct/ppgcem/grade>

**Telephone number:** +55 (47) 3481-7828.

**Program contact e-mail:** [ppgcem.cct@udesc.br](mailto:ppgcem.cct@udesc.br)

**Electrical Engineering Graduate Program – EEGP**

**Program Objectives:**

- Form high-level professionals capable of proposing and developing scientific investigations in the field of Electric Engineering;
- Develop a critical mass capable of solving non-trivial engineering problems, generating and diffusing technical and scientific knowledge;
- Interact with the Community through publications and joint researches with the industrial sector using agreements and partnerships;
- Develop innovative solutions for products and production processes in the region and country.

**Courses:**

DOCTORATE IN ELECTRIC ENGINEERING (Beginning in 08/01/2013);

MASTER'S IN ELECTRIC ENGINEERING (Beginning in 08/01/2009).

**Concentration areas and research lines:**

ELECTRONIC SYSTEMS (Lines: 1. Control and Instrumentation; 2. Electric energy processing).

**Program Differentials (Strengths):**

Academic research lines in consonance with the production sector of the region.

**Minimum formation and other requirements for ingress:**

Registrations will be accepted from candidates bearing a diploma in the fields of Engineering, Bachelor degree in Physics and Computer Science, and Licentiate degree in Mathematics and Physics. Candidates bearing a diploma in other fields will be accepted after approval by the collegiate of the EEGP.

**Form/period of ingress:**

The ingress into the Program will occur through a biannual selective process, with the possibility of continuous entry (only for the Doctorate Program). Rules and alterations are provided in a Notice.

**Selection/Ingress Notice:** <http://www.udesc.br/cct/ppgeel>

**Teaching staff:** <http://www.udesc.br/cct/ppgeel/docente>

**Other information:**

Option for attending the program in a partial or integral regime. In the case of an integral regime: there is the possibility of scholarships (subject to availability and fulfillment of the selection/classification notice). The candidate can also course individual disciplines as a special student, according to the availability of positions and specific notice.

**Program website:** <http://www.udesc.br/cct/ppgeel>

**Disciplines:** <http://www.udesc.br/cct/ppgeel/curricular>

**Telephone number:** +55 (47) 3481-7860

**Program contact e-mail:** [ppgeel.cct@udesc.br](mailto:ppgeel.cct@udesc.br)

## Professional Electrical Engineering Graduate Program – PEEGP

### Program Objectives:

- Form high-level professionals capable of proposing and developing scientific investigations in the field of Electric Engineering;
- Develop a critical mass capable of solving non-trivial engineering problems, generating and diffusing technical and scientific knowledge;
- Interact with the Community through publications and joint researches with the industrial sector using agreements and partnerships;
- Develop innovative solutions for products and production processes in the region and country.

### Courses:

PROFESSIONAL MASTER'S IN ELECTRIC ENGINEERING (Beginning in 08/01/2006).

### Concentration areas and research lines:

SYSTEM AUTOMATION (Lines: 1. Manufacturing Automation; 2. Electric Controls and Activations).

### Program Differentials (Strengths):

Academic and professional research lines in consonance with the production sector of the region.

### Minimum formation and other requirements for ingress:

Registrations will be accepted from candidates bearing a diploma in the fields of Engineering, Bachelor degree in Physics and Computer Science, and Licentiate degree in Mathematics and Physics. Candidates bearing a diploma in other areas will be accepted after approval by the collegiate of the PEEGP.

### Form/period of ingress:

The ingress into the Program will occur through a biannual selective process. Rules and alterations are provided in a Notice.

**Selection/Ingress Notice:** <http://www.udesc.br/cct/ppgeel>

**Teaching staff:** <http://www.udesc.br/cct/ppgeel/docente>

### Other information:

Option for attending the program in a partial or integral regime. In the case of an integral regime: there is the possibility of scholarships (subject to availability and fulfillment of the selection/classification notice). The candidate can also course individual disciplines as special student, according to the availability of positions and specific Notice.

**Program website:** <http://www.udesc.br/cct/ppgeel>

**Disciplines:** <http://www.udesc.br/cct/ppgeel/curricular>

**Telephone number:** +55 (47) 3481-7860

**Program contact e-mail:** [ppgeel.cct@udesc.br](mailto:ppgeel.cct@udesc.br)

## Physics Graduate Program – PGP

### Program Objectives:

- Offer a solid theoretical formation for our students;
- Enable them to perform high-level research in Physics and correlated areas;
- Capacitate them to continue their formation in any Physics Doctorate Program in Brazil or abroad;
- Provide them with appropriate knowledge for teaching in higher education in Physics and technological areas.

### Courses:

MASTERS IN PHYSICS (Beginning in August/2006).

### Concentration areas and research lines:

PHYSICS (Lines: 1. Nonlinear Dynamics; 2. Condensed Matter Physics; 3. Relativity and Cosmology; 4. Optics and Atomic and Molecular Physics; 5. Plasma Science and Technology; 6. Surfaces and Thin Films).

### Program Differentials (Strengths):

- Good balance between theoretical and experimental research activities;
- National insertion with students and researchers from different universities and regions of Brazil;
- Collaborations with other institutions in Brazil and abroad.

### Minimum formation and other requirements for applying:

Candidates bearing a diploma in Bachelor or Licentiate degree in Physics or correlated areas, such as Chemistry, Mathematics or Engineering.

### Form/period of applying:

Biannual selection process.

**Further information in:** <http://www.udesc.br/cct/ppgf>

**Teaching staff:** <http://www.udesc.br/cct/ppgf/docente>

**Program website:** <http://www.udesc.br/cct/ppgf>

**Disciplines:** <http://www.udesc.br/cct/ppgf/grade>

**Telephone number:** +55 (47) 3481-7928

**Contact e-mail:** [ppgf.cct@udesc.br](mailto:ppgf.cct@udesc.br)

Science, Mathematics and Technologies Teaching Graduate Program – SMTTGP

**Program Objectives:**

- Promote the professional qualification in the field of Science, Mathematics and Technologies through theoretical-conceptual, theoretical-methodological, and practical-pedagogical studies and reflections.
- Allow adequate space for the development of works that seek to diagnose, problematize, and propose didactic-pedagogical strategies and resources to overcome school challenges in the field of Science, Mathematics, and Technologies.
- Contribute to the teacher's education concerned with their professional development, performing with higher quality in the mediation of teaching and learning processes.
- Enable the conceptual, historical, philosophical and epistemological reflections on scientific knowledge (Science, Mathematics, and Technologies), as well as their relation to daily and school knowledge in the educational context.
- Capacitate Master's students for the elaboration and use of distinct didactic resources based on innovative pedagogical perspectives.
- Quantify and structure an appropriate space for research, knowledge production, and educational product development in the field of Sciences, Mathematics, and Technologies.

**Course:**

PROFESSIONAL MASTER'S PROGRAM IN SCIENCE, MATHEMATICS, AND TECHNOLOGIES TEACHING (Beginning in 04/24/2015).

**Concentration areas and research lines:**

SCIENCE, MATHEMATICS, AND TECHNOLOGIES (Lines: 1. Teaching-Learning and Teacher Education; 2. Educational Technologies).

**Program Differentials (Strengths):**

- The Teaching staff of the SMTTGP is constituted by experienced and qualified professionals with diversified formations, consistently fostering technical-scientific production and the formation of human resources in the field of Science, Mathematics, and Technologies.
- The researchers conducted in the SMTTGP aim at the professional qualification in the field of Science, Mathematics, and Technologies through theoretical-conceptual, theoretical-methodological, and practical-pedagogical studies and reflections, significantly contributing for narrowing the theory-practice.
- The Professional Master's Program of the SMTTGP provides and enhances the importance of the necessary and continuous professional improvement of teachers in service and recently graduated, fostering the production of knowledge and the performance of critical reflections on pedagogical practice.
- The curricular structure and formation demands for research and development of educational products inherent in the Professional Master's Program of the SMTTGP are aligned with the principles of the Teaching Field. It provides a bridge between the knowledge generated in the area and its application in education situations in various fields (Basic, Professional, Technological, Higher, and non-formal Education).
- The Professional Master's Program of the SMTTGP has a significant demand and contributes with the professional qualification of teachers derived from distinct regions, extrapolating the northern region of the state of Santa Catarina.

**Minimum formation and other requirements for ingress:**

Registrations for the Professional Master's Program in Science, Mathematics, and Technologies Teaching will be accepted from candidates bearing a diploma in a Licentiate degree in Sciences, Computer Science, Physics, Mathematics, and Chemistry. We will also accept registrations from candidates bearing a diploma in correlated areas, proving the performance in teaching (according to article 14 of the SMTTGP Resolution nº 004/2016) in Basic Education, Professionalizing Education, or Higher Education.

**Form/period of ingress:**

Annual. Rules and alterations provided in the Notice.

**Selection/Ingress Notice:** <http://www.udesc.br/cct/ppgecmt>

**Teaching staff:** <http://www.udesc.br/cct/ppgecmt/docente>

**Program website:** <http://www.udesc.br/cct/ppgecmt>

**Disciplines:** <http://www.udesc.br/cct/ppgecmt/horarios>

**Telephone number:** +55 (47) 3481-7851

**Program contact e-mail:** [ppgecmt.cct@udesc.br](mailto:ppgecmt.cct@udesc.br)



**Mechanical Engineering Graduate Program – MEGP**

**Program Objectives:**

The Mechanical Engineering Graduate Program of the State University of Santa Catarina - UDESC - is an academic master's degree program. The main objective is the development of high-level research activities in the area of Modeling and Numerical Simulation applied to mechanical engineering problems in the research lines "Project, Analysis, and Optimization of Mechanical Systems" and "Fluid Dynamics and Heat Transfer." The program seeks to prepare scholars in specialized areas within the field capable of providing and developing scientific investigations for solving non-trivial engineering problems, producing and spreading technical and scientific knowledge.

**Course:**

MASTER'S PROGRAM IN MECHANICAL ENGINEERING (Beginning in 2010-2011/semester 02).

**Concentration areas and research lines:**

MODELING AND NUMERICAL SIMULATION (Lines: 1. Fluid Dynamics and Heat Transfer; 2. Project, Analysis, and Optimization of Mechanical Systems).

**Program Strengths:**

The MEGP has a strong interaction with the metal-mechanic industrial park in the region of Joinville (SC).

**Minimum formation and other requirements for ingress:**

The candidates for MEGP program need to have a bachelor's degree in engineering, physics, mathematics or computer science. The procedure for student selection comprises: curriculum analysis, recommendation letter analysis, and an interview.

**Form/period of ingress:**

Two selection processes are conducted every year: in february and june.

**Selection/Ingress Information:** <http://www.udesc.br/cct/ppgem>

**Teaching staff:** <http://www.udesc.br/cct/ppgem/docente>

**Program website:** <http://www.udesc.br/cct/ppgem>

**Disciplines:** <http://www.udesc.br/cct/ppgem/grade>

**Telephone number:** +55 (47) 3481-7951

**Program contact e-mail:** [ppgem.cct@udesc.br](mailto:ppgem.cct@udesc.br)

Civil Engineering Graduate Program – CEGP

**Program Objectives:**

The primary objective of the Master's Program in Civil Engineering is to complement the formation of professionals (engineers, architects, urbanists, among others), capacitating them with theoretical and practical knowledge that effectively contribute for the sustainable development of Brazilian cities, especially regarding aspects connected to the constructed environment, urban planning, and infrastructure maintenance and managing.

**Course:**

MASTERS IN CIVIL ENGINEERING (Beginning in August of 2015).

**Concentration areas and research lines:**

URBAN ENGINEERING AND CIVIL CONSTRUCTION (Lines: 1. Sustainable Development in Civil Construction; 2. Urban Infrastructure).

**Program Differentials (Strengths):**

There is no *Stricto sensu* course in the region of Joinville that aims at the development of researches for use in solving problems in the scope of Urban Engineering and Civil Construction. This differential allows researches aimed at 1. The development and characterization of materials as components of sustainable constructions; 2. The development of techniques, processes, and methodologies aiming at the implementation and improvement of urban infrastructure using existing or new technologies for the construction of cities and maintenance of quality of life; 3. Analysis, planning, and proposal of technical and economically feasible solutions for the primary urban systems using planning and management techniques appropriate for Urban Engineering. The central differential of the CEGP is the multidisciplinary of the professor and students, as well as of the research projects interconnecting Urban Engineering with Sustainable Civil Construction.

**Minimum formation and other requirements for ingress:**

Candidates bearing a higher education diploma in Engineering or architecture and urbanism, authorized by the Ministry of Education – MEC, of full duration. Candidates bearing diplomas in areas correlated to the concentration area of the program can be accepted provided they be approved by the program collegiate.

**Form/period of ingress:**

Biannual. Rules and alterations are provided in the Notice.

**Selection/Ingress Notice:** <http://www.udesc.br/cct/ppgec>

**Teaching staff:** <http://www.udesc.br/cct/ppgec/docente>

**Other information:**

The CEGP has a mission concerning Education, Research, and Innovation. In Education: formation of Masters with a multidisciplinary view, social responsibility, ethics, and sustainability. In Research and Innovation: contribute to the description, analysis, and solution of problems in the scope of Urban Engineering and Civil Construction, in its many components. The view of the CEGP is of becoming a reference program and reliable partner in the research areas of Urban Engineering and Civil Construction in Brazil, with international visibility.

**Program website:** <http://www.udesc.br/cct/ppgec>

**Disciplines:** <http://www.udesc.br/cct/ppgec/grade>

**Telephone number:** +55 (47) 3481-7949.

**Program contact e-mail:** [ppgec.cct@udesc.br](mailto:ppgec.cct@udesc.br)

### Applied Chemistry Graduate Program – ACGP

#### Program Objectives:

The ACGP, with concentration area in Chemistry, of the Santa Catarina State University, has the objective of forming highly-qualified human resources in the field of Chemistry, generating professionals with a complex, multi and interdisciplinary formation. These professionals will contribute with scientific and technological innovation in the country, and perform activities of higher education and scientific and technological research.

#### Course:

MASTERS IN APPLIED CHEMISTRY (Beginning in August of 2016).

#### Concentration areas and research lines:

CHEMISTRY (Lines: 1. Application of Chemical Compounds; 2. Chemical Synthesis and Analysis; 3. Chemistry and Teaching).

1. Application of Chemical Compounds: synthesis, functionalization, and physical-chemical characterization; study of the relations between chemical structure and the properties of polymeric/ceramic materials and chemical compounds with technological and biological applications. In this line, we develop conducting polymers and electroactive materials, compounds containing nanoparticles, polymers and compounds applied to the medical-dentistry field, synthesis of new polymers, materials with self-regenerating capacity and bioceramics.
2. Chemical Synthesis and Analysis: development of analytical technologies and synthesis of new substances; structural and functional modifications. This line aims at recognizing, characterizing, interpreting, and analyzing these processes as follows: synthesis, characterization, reactivity, and evaluation of luminescent and biological properties of an organic compound, associated to Organic Chemistry. Development of analytical methodologies for the determination of organic trace contaminants in food and environmental samples, associated to Analytical Chemistry. Synthesis and physical-chemical properties of bioinspired coordination compounds with application in catalysis and biomedication, associated to Inorganic Chemistry.
3. Chemistry and Teaching: understanding of the teaching and learning processes in the many aspects and contexts of chemistry, especially in higher education; a study on the professor formation and improvement of pedagogical practice. This line of research aims at improving and qualifying chemistry teaching from theoretical or applied studies related to one of the following topics: teaching/learning of chemical concepts – development, application, and evaluation of innovating proposals, especially in higher education, which contemplate the analysis/elaboration of didactic resources and methodologies to improve the teaching and learning process of chemistry. Professor formation for higher education: studies on the formative policies and practices in chemistry undergraduate courses, contemplating investigations related to the curriculum, pedagogical practice, compression/validation of teaching formation models, and articulation between higher education and post-graduation.

#### Program Differentials (Strengths):

- The ACGP forms professionals with scientific-technological profile appropriate for supplying the demand for research and education in public or private sectors of the region, Brazil, and the world;
- The ACGP develops professionals with a considerable level of scientific autonomy, eclectic and multi and interdisciplinary formation, with stable, ethical values, and capable of understanding their role and potential for contributing for the development of the country;
- The ACGP develops projects of knowledge transference to benefit the triad science, technology, and society;
- The professors of the ACGP conduct research projects with the participation of researchers from different knowledge areas, of Brazilian and foreign universities, providing an environment appropriate for inter and multidisciplinary and student mobility.

#### Minimum formation and other requirements for ingress:

The Master's program in Applied Chemistry is directed to professionals with diplomas in Chemistry and correlated areas (Chemical Engineers, Food Engineers, Sanitary Engineers, Pharmacists, Biochemists, and others).

#### Form/period of ingress:

There are two selection processes per year. They are regulated by a Notice which determines the specific terms of the process, the documentation necessary, and the remaining procedures to be followed by the candidate to a position as a regular student of the program. The publication of the Notices usually occurs in May and November, with its content available in the webpage, item Selection Process, and in the Coordination/Secretariat of Post-Graduate Education of the TSC (<http://www.udesc.br/cct/secretariapos>), in item Notices. Rules and alterations are provided in the Notice.

**Selection/Ingress Notice:** [http://www.udesc.br/cct/ppgq/processo\\_seletivo/informes](http://www.udesc.br/cct/ppgq/processo_seletivo/informes)

**Teaching staff:** <http://www.udesc.br/cct/ppgq/docente>

**Other information:**

EGRESS PROFILE: The professionals formed in the ACGP will have a solid base in chemistry, its interdisciplinarity, and applications. They will be qualified to conduct researches, elaborate projects, produce innovation, science, and technology in chemistry, and act as a professor in higher education. The egresses will present: I) considerable level of scientific autonomy; II) updated perspective on Chemistry; III) capacity to follow and understand the evolution in the area.

STUDENT SELECTION: Student selection occurs in three stages:

1<sup>st</sup> stage: written exam (qualifying and elimination);

2<sup>nd</sup> stage: candidate argumentation by an examining board of professors of the ACGP (elimination);

3<sup>rd</sup> stage: curriculum evaluation (qualifying).

The first placed candidates can be contemplated with scholarships if available and if the candidate presents no employment relationship. After approval, the Master's student and advisor will decide, in common accord, which disciplines will be coursed, since they must be consistent with the research project to be executed. There is no need for presenting a pre-research project when ingressing. With the disciplines defined, the Master's student will enroll at the Graduate Secretariat of the campus within the term defined in the academic calendar (access to the calendar in the menu beside). The Master's Program disciplines are coursed during two to three academic semesters, depending on the availability of the student and the offer of disciplines. The classes of this program are offered, predominantly, in the afternoon period, having no classes in the evening.

PROGRAM DURATION: the program has a duration of two years.

**Program website:** <http://www.udesc.br/cct/ppgq>

**Disciplines:** <http://www.udesc.br/cct/ppgq/grade>

**Telephone number:** +55 (47) 3481-7691

**Program contact e-mail:** [ppgq.cct@udesc.br](mailto:ppgq.cct@udesc.br)

Applied Computing Graduate Program – ACGP

**Program Objectives:**

The *Stricto sensu* Master's level Graduate Program in Applied Computing of the Technological Sciences Institution of Udesc is offered free of charge and has the objective of forming high-level professionals qualified to:

1. Continue their researcher formation in any doctorate program in Computer Science in the country (or, eventually, abroad); and,
  2. Apply scientific strategies in the search for modern and innovative computational solutions in the most varied application fields.
- Within the philosophy of the program, the Master's Program is considered an extension of undergraduate studies, focusing on the scientific formation of the student with overall responsibility towards the development and promotion of knowledge. Thus, the program will provide the student with the due professional insertion into a research area, both academically and in the industrial field.

**Courses:**

MASTER'S PROGRAM IN APPLIED COMPUTING (Beginning in March of 2012).

**Concentration areas and research lines:**

COMPUTER SCIENCE (Lines: 1. Software Engineering; 2. Graphic Processing; 3. Computer Systems).

**Program Differentials (Strengths):**

Integration with undergraduate studies; Social interaction; Only program of the field in the region (and free of charge).

**Minimum formation and other requirements for ingress:**

Registrations are accepted from candidates bearing diplomas of higher education in the areas of Exact Sciences, Earth Sciences, or Engineering. Individual cases are analyzed by the program collegiate and can be accepted by the ACGP.

**Form/period of ingress:**

The Examining Commission will use as qualifying criteria: exam with national validity, specific to the computer field, such as POSCOMP, curriculum, draft project, and reference letters.

The selection occurs biannually, and the amount of positions is defined by the program collegiate each semester. Rules and alterations are provided in the Notice.

**Selection/Ingress Notice:** [http://www.udesc.br/cct/ppgca/processo\\_seletivo](http://www.udesc.br/cct/ppgca/processo_seletivo)

**Teaching staff:** <http://www.udesc.br/cct/ppgca/docente>

**Program website:** <http://www.udesc.br/cct/ppgca>

**Disciplines:** <http://www.udesc.br/cct/ppgca/grade>

**Telephone number:** +55 (47) 3481-7894.

**Program contact e-mail:** [ppgcap.cct@udesc.br](mailto:ppgcap.cct@udesc.br)

### Professional in National Network Mathematics Graduate Program – PNNMGP

**Program Objectives:**

The primary objective of the PNNMGP is to offer a stable professional formation in Mathematics that contemplates the needs of the daily work of teachers in the school environment as well as the development of professional valuation. It also aims at developing a critical stance regarding the work in Mathematics classes in Basic Education.

**Course:**

PROFESSIONAL MASTER'S PROGRAM IN NATIONAL NETWORK MATHEMATICS (Beginning in 2016).

**Concentration areas and research lines:**

MATHEMATICS (Line: Teaching Mathematics).

**Program Differentials (Strengths):**

1. Exclusive books for the program edited by the Brazilian Society of Mathematics;
2. National Access and Qualification Exams;
3. Open program directed at basic education mathematics teachers;
4. Scholarships from CAPES for active mathematics professors in public network schools;
5. Program with score five granted by CAPES (maximum score for Master's programs).

**Minimum formation and other requirements for ingress:**

The candidate must bear a higher education diploma recognized by the Ministry of Education in any knowledge area.

**Form/period of ingress:**

The ingress occurs through the National Access Exam, a test applied in person, performed once a year, usually in September/October. The twenty (20) candidates with the highest scores are selected. Rules and alterations are provided in the Notice.

**Selection/Ingress Notice:** <http://www.udesc.br/cct/profmat/processoseletivo>

**Teaching staff:** <http://www.udesc.br/cct/profmat/docentes>

**Program website:** <http://www.udesc.br/cct/profmat>

**Disciplines:** <http://www.udesc.br/cct/profmat/curricular>

**Telephone number:** +55 (47) 3481-7919.

**Program contact e-mail:** [profmat.cct@udesc.br](mailto:profmat.cct@udesc.br)

## ADMINISTRATIVE AND SOCIOECONOMIC SCIENCES COLLEGE – ESAG.

### Professional Administration Graduate Program – PAGP

#### Program Objectives:

The Professional Master's Program in Administration (PAGP) of the Administrative and Socioeconomic Sciences College – ESAG has the primary objective of studying the organizations and management technologies from a strategic perspective, considering the innovations, changes, behavior, processes, and technologies. It also aims to study the coproduction of the public good, focusing on accountability, social responsibility and the third sector.

#### Course:

PROFESSIONAL MASTER'S PROGRAM IN ADMINISTRATION (Beginning in 2004).

#### Concentration areas and research lines:

STRATEGIC MANAGEMENT (Lines: 1. Management, Innovation, and Entrepreneurship; 2. Public Management and Co-production).

#### Program Differentials (Strengths):

Based on the analysis of changes implemented from the recommendations by field evaluators, the Program offers a coherent and consistent curricular proposal, with specific objectives and research lines, as well as a programmatic structure which reinforces the program's identity.

Professor's integration reveals a positive aspect that favors the program management from a perspective of co-responsibility and transparency. The teaching staff of the Professional Master's Program of the ESAG/UDESC is periodically updated on the demands of the program regarding academic and technical performance. These include encompassing research development, individual and articulated (with other professors and groups) scientific production, results of group researches, advising and defense deadlines, integration activities with the society, technological production, definitions and fulfillment of the professor performance chart, and integration with education and extension within the University.

University regulations allow the reduction of the workload for professors involved in *stricto sensu* education activities, favoring the commitment to research and advising while demanding minimum participation in undergraduate education. This allows the professors dedicated to research and graduate programs to engage in undergraduate activities.

The encouragement to the scientific and technological production of the teaching staff, articulated with the overall performance of the professor in the institution and consequent career promotion, brings better results, demonstrated by the increase in academic-scientific production.

The Professional Master's Program in Administration presents the maximum score in the CAPES evaluation, which is 5.

#### Minimum academic qualifications and other requirements for ingress:

Higher education undergraduate program; updated curriculum; performance certificate of the ANPAD test, valid for two years.

#### Form/period of ingress:

The selection process for the program occurs annually in the first semester (beginning of the calendar year), with entry in August. Candidates for the Master's Program are required to present a diploma from an undergraduate course, recognized by the Ministry of Education. Candidates for the Doctorate Program are required to present a master's diploma, recognized by the Ministry of Education. In addition to the internal selection process, the candidate must take the ANPAD exam. Rules and alterations are provided in the Notice.

**Selection/Ingress Notice:** <http://www.esag.udesc.br/?id=204>

#### Teaching staff:

Professional master's program: <http://www.esag.udesc.br/?id=221>

**Program website:** <http://www.esag.udesc.br/?id=216>

**Disciplines:** <http://www.esag.udesc.br/?id=220>

**Telephone number:** +55 (48) 3664-8220

**Program contact e-mail:** [pos.esag@udesc.br](mailto:pos.esag@udesc.br)

**Administration Graduate Program – AGP**

**Program Objectives:**

The Administration Graduate Program of the Administrative and Socioeconomic Sciences College – ESAG has the primary objective of developing and disseminating scientific and technological knowledge, and prepare professionals and researchers at the Master's and Doctorate levels in the field of Administration.

The objectives of the Master's Program are:

- To form professionals at the level of excellence for work in teaching and research activities as well as management of private and public organizations;
- To develop researchers who are capable of understanding the role of the many collective and institutional subjects in the construction of public good;
- To develop qualified professionals for work in the governmental sphere, civil society organizations, entrepreneurial field, and in the interface between them, to fulfill common objectives;
- To strengthen the knowledge of all types of organizations through the development of scientific researches from an innovative theoretical perspective, with repercussions regarding economic, political, and social development in the regional, national, and international scope.

The objectives of the Doctorate Program in Administration are:

- To form professionals at the level of excellence for performance in education and research in private and governmental organizations and institutions performing in the public sphere, in their respective regions;
- To form researchers capable of understanding the role of the many collective and institutional subjects in the construction of public good;
- To form researchers qualified to expand and develop new knowledge in the field of Administration with practical reach into the organizations in the regional contexts in which they perform;
- Meet the regional and national demands for the formation of professors and researchers in the research lines of the program;
- To promote the knowledge of all types of organizations through the development of scientific researches guided by various epistemological-methodological approaches based on innovative theoretical perspectives, with repercussions in economic, political, and social development, in the regional, national, and international spheres.

**Courses:**

MASTER'S PROGRAM IN ADMINISTRATION (Beginning in 2011);  
DOCTORATE PROGRAM IN ADMINISTRATION (Beginning in 2015).

**Concentration areas and research lines:**

ORGANIZATIONS AND PUBLIC SPHERE (Lines: 1. Public Administration and Society; 2. Organizations, Management, and Sustainability; 3. Public Administration and Society; 4. Organizations, Technologies, and Management).

**Program Differentials (Strengths):**

Based on the analysis of changes implemented from the recommendations of field evaluators, we recognize in the Program a coherence and consistency of curricular proposal, with specific objectives and research lines, reinforcing the program's identity. During the institutional evaluation process, the self-evaluation of the AGP concerns the pedagogical project of the program, including interdisciplinarity and complementarity; the characteristics, scientific production advising, and performance of the teaching staff; social influence, national and international insertion; and infrastructure of the program. The dynamicity and flexibility are also considered for the implementation of improvements, which are continuous and permanent, consonant to the evaluation process.



**Minimum academic qualifications and other requirements for ingress:**

As requisite for admission into the Master's Program, the candidates must present a diploma in undergraduate programs, duly recognized by the Ministry of Education. For the Doctorate Program, the candidates must present a diploma in a master's program, duly recognized by the Ministry of Education. In addition to the internal selection process, the candidates must take the ANPAD exam.

**Form/period of ingress:**

The selection process for the AGP occurs annually in the first semester (calendar year), with classes beginning in August. Rules and alterations are provided in the Notice.

**Selection/Ingress Notice:** <http://www.esag.udesc.br/?id=204>

**Teaching staff:**

Professors of the Master's Program: <http://www.esag.udesc.br/?id=211>

Professors of the Doctorate Program: <http://www.esag.udesc.br/?id=1420>

**Program website:** <http://www.esag.udesc.br/?id=204>

**Disciplines of Master's Program:** <http://www.esag.udesc.br/?id=210>

**Disciplines of Doctorate Program:** <http://www.esag.udesc.br/?id=1419>

**Telephone number:** +55 (48) 3664-8220.

**Program contact e-mail:** [pos.esag@udesc.br](mailto:pos.esag@udesc.br)

## History Graduate Program – HGP

### Program Objectives:

The History Graduate Program with concentration area in Current History, has the objective of preparing professionals for research and production of historical knowledge of the area, providing the entry to a public post-graduation program compromised with quality. Through the Master's and Doctorate Programs, it will be possible to widen and deepen the potential of History as a form of knowledge of the contemporary world transformations. These include the mobility of populations and the implications of urbanization and identity tensions, the rearrangements of the world of labor and the emergence of a virtual economy, the role of mass communication media and expansion of information technologies, the emergence of new modes of social organization and political action exercises, the valuation of memory and institution of patrimonialization processes, in addition to the institution of new behavioral standards and family configurations.

### Courses:

MASTER'S PROGRAM IN HISTORY (Beginning in 2007);

DOCTORATE PROGRAM IN HISTORY (Beginning in 2014).

### Concentration areas and research lines:

CURRENT HISTORY (Lines: 1. Political Cultures and Sociabilities; 2. Languages and Identification; and 3. Memory policies and historical narratives).

### Program Differentials (Strengths):

Commitment with advising and compliance with defense deadlines, laboratories, interface with Basic Education, the qualified formation of professionals, scholarships, bibliographic resources, qualified journal publications, capacitation of external resources, insertion into national and international research networks, and the organization of reference international events.

### Minimum formation and other requirements for ingress:

According to provided in the Notice.

### Form/period of ingress:

Ingress occurs annually, with the publication of selection Notice between October and November. The selection stages are analysis and selection of projects, written exam (elimination) and argumentation (qualifying). The approved candidates ingress into the program in the second semester (calendar year) of each year. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.faed.udesc.br/ppgh>

**Teaching staff:** <http://www.faed.udesc.br/?id=37>

**Program website:** <http://www.faed.udesc.br/?id=6>

**Disciplines:** <http://www.faed.udesc.br/?id=17>

**Telephone number:** +55 (48) 3664-8586

**Program contact e-mail:** [ppgh.faed@udesc.br](mailto:ppgh.faed@udesc.br) / [sec.ppgh.udesc@gmail.com](mailto:sec.ppgh.udesc@gmail.com)

Education Graduate Program – EGP

**Program Objectives:**

The objectives of the EGP are contributing to the analysis and understanding of the Brazilian and the state's educational problematic, preparing researchers to perform in different levels and modalities of education, qualifying professors for higher education, as well as state and municipal education networks, meet the demands regarding studies and research that focus on formal schooling process, approaches, objects, and sources of Education History of Brazil and Santa Catarina, and education processes mediated by technologies.

**Courses:**

MASTER'S PROGRAM IN EDUCATION (Beginning in 2008);  
DOCTORATE PROGRAM IN EDUCATION (Beginning in 2012).

**Concentration areas and research lines:**

EDUCATION (lines: 1. History and historiography of education; 2. Education, Communication, and Technology; and 3. Educational policies, Teaching, and Formation).

**Program Differentials (Strengths):**

Annual ingress with 25 positions for the master's program and 15 for the doctorate program. Score 5 awarded by Capes. Daytime classes with four credit mandatory and elective disciplines. Programmed activity offered by the professors for obtaining credits. Performance of foreign post-doctorate students and professors enriching the program.

**Minimum formation and other requirements for ingress:**

For the master's program, an undergraduate diploma is required. For the doctorate program, undergraduate and masters diplomas are required.

**Form/period of ingress:**

Ingress occurs every year in August through a public selection process. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.faed.udesc.br/ppge>

**Teaching staff:** <http://www.faed.udesc.br/?id=138>

**Program website:** <http://www.faed.udesc.br/ppge>

**Disciplines:** <http://www.faed.udesc.br/?id=135>

**Telephone number:** +55 (48)3664-8560

**Program contact e-mail:** [ppge.faed@udesc.br](mailto:ppge.faed@udesc.br) / [sec.ppge.udesc@gmail.com](mailto:sec.ppge.udesc@gmail.com)

**Territorial Planning and Socioenvironmental Development Graduate Program – TPSDGP**

**Program Objectives:**

To qualify professional for the labor market of public administration and private initiative with theoretical and practical instruments, favoring an interdisciplinary approach in the sphere of regional and urban planning and socioenvironmental development and management. The program develops studies and researches that result in regional and urban knowledge, processes and planning for socioenvironmental development and management. The program also seeks to understand the process of territorial production, that is, the contemporary urban and regional space and to propose solutions through scientific investigation and, in the case of the professional master's program, tied to professional experience. The program offers a consistent theoretical reference and knowledge of the practice of economic, social, and environmental analysis of urban and regional development for proposing new socioenvironmental public policies.

**Course:**

DOCTORATE IN TERRITORIAL PLANNING AND SOCIOENVIRONMENTAL DEVELOPMENT (Beginning in 2016).

**Concentration areas and research lines:**

TERRITORIAL PLANNING AND SOCIOENVIRONMENTAL DEVELOPMENT (lines: 1. Environmental analysis and management and territorial planning; 2. Social, Economic, and Spatial Development).

**Program Differentials (Strengths):**

The Graduate in Territorial Planning and Socioenvironmental Development Program has access to sophisticated laboratories, highly qualified professors, and partnerships with governmental and private sector agencies, ensuring the integration between research and performance areas.

**Minimum formation and other requirements for ingress:**

For the doctorate program, undergraduate and master's diplomas are required. The candidates must request an advising acceptance declaration from the professors, sending the research proposal summarized in, at most, two pages, also informing the link to the Lattes Platform curriculum. Rules and alterations are provided in the notice.

**Form/period of ingress:**

**REGULAR STUDENTS**

Annual ingress – Beginning of classes in August. Rules and alterations are provided in the notice.

Form of ingress: through selection notice for regular students (published on the website).

**SPECIAL STUDENTS**

Biannual ingress: Rules and alterations are provided in the notice.

Form of ingress: through selection notice for special students (published on the website).

**Selection/Ingress Notice:** <http://www.faed.udesc.br/?id=2546>

**Teaching staff:** <http://www.faed.udesc.br/?id=2557>

**Program website:** <http://www.faed.udesc.br/?id=2546>

**Disciplines:** <http://www.faed.udesc.br/?id=2546>

**Telephone number:** +55 (48) 3664-8540.

**E-mail:** [ppgplan.faed@udesc.br](mailto:ppgplan.faed@udesc.br) / [sec.mppt.udesc@gmail.com](mailto:sec.mppt.udesc@gmail.com)

Professional in Territorial Planning and Socioenvironmental Planning Graduate Program – PTPSPGP

**Program Objectives:**

To qualify professional for the labor market of public administration and private initiative with theoretical and practical instruments, favoring an interdisciplinary approach in the sphere of regional and urban planning and socioenvironmental development and management. The program develops studies and researches that result in regional and urban knowledge, processes and planning for socioenvironmental development and management. The program also seeks to understand the process of territorial production, that is, the contemporary urban and regional space and to propose solutions through scientific investigation and, in the case of the professional master's program, tied to professional experience. The program offers a consistent theoretical reference and knowledge of the practice of economic, social, and environmental analysis of urban and regional development for proposing new socioenvironmental public policies.

**Course:**

PROFESSIONAL MASTER'S PROGRAM IN TERRITORIAL PLANNING AND SOCIOENVIRONMENTAL DEVELOPMENT (Beginning in 2007).

**Concentration areas and research lines:**

TERRITORIAL PLANNING AND SOCIOENVIRONMENTAL DEVELOPMENT (lines: 1. Environmental Analysis and Management and Territorial Planning; 2. Social, Economic, and Spatial Development).

**Program Differentials (Strengths):**

The Post-Graduation Program in Territorial Planning and Socioenvironmental Development has access to sophisticated laboratories, highly qualified professors, and partnerships with governmental and private sector agencies, ensuring the integration between research and performance areas.

**Minimum formation and other requirements for ingress:**

For the master's program, an undergraduate diploma is required. The candidates must request an advising acceptance declaration from the professors, sending the research proposal summarized in, at most, two pages, also informing the link to the Lattes Platform curriculum. Rules and alterations are provided in the notice.

**Form/period of ingress:**

REGULAR STUDENTS

Annual ingress – Beginning of classes in August. Rules and alterations are provided in the notice.

Form of ingress: through selection notice for regular students (published on the website).

SPECIAL STUDENTS

Biannual ingress: Rules and alterations are provided in the notice.

Form of ingress: through selection notice for special students (published on the website).

**Selection/Ingress Notice:** <http://www.faed.udesc.br/?id=93>

**Teaching staff:** <http://www.faed.udesc.br/?id=169>

**Program website:** <http://www.faed.udesc.br/?id=93>

**Disciplines:** <http://www.faed.udesc.br/?id=166>

**Telephone number:** +55 (48) 3664-8540

**Program contact e-mail:** [ppgplan.faed@udesc.br](mailto:ppgplan.faed@udesc.br) / [sec.mppt.udesc@gmail.com](mailto:sec.mppt.udesc@gmail.com)

Information Management Graduate Program – IMGP

**Program Objectives:**

The Graduate in Information Management Program (IMGP) has the objective of forming high-level professionals, committed to ethics and the economic, social, and educational function of information toward citizenship, capable of solving non-trivial problems for information management, generating and diffusing technical and scientific knowledge for innovations.

Specifically, the Professional Master's Program in Information Unit Management aims at:

1. Mobilizing interdisciplinary theoretical-methodological inputs of science, to qualify reflexive and critical professional information managers of the distinct realities that constitute the information units in local, regional, national, and international levels;
2. Develop abilities in planning, leadership, and teamwork;
3. Innovate the professional capacity for performing activities in information and information unit management;
4. Provide a problematized view of management associated with information resources, services, and products;
5. Reflect the economic, educational, cultural, and ethical-social implications of the performance of librarians and other information professionals in the different institutional contexts.

**Course:**

PROFESSIONAL MASTER'S PROGRAM IN INFORMATION UNIT MANAGEMENT (Beginning in 2013).

**Concentration areas and research lines:**

INFORMATION MANAGEMENT (lines: 1. Information Unit Management; 2. Information, Memory, and Society).

**Program Differentials (Strengths):**

1. Periodic pedagogical meetings with all professors;
2. Improvement in the selection process of scholarship holder (in 2016), criteria adaptation;
3. Improvement in the selection process of new students;
4. Integralization with the undergraduate program;
5. Organization, integrity, and registration of all actions performed by the coordination, commission, and secretariat of the IMGP.

**Minimum formation and other requirements for ingress:**

Necessary undergraduate diploma in any area.

**Form/period of ingress:**

REGULAR STUDENTS:

Annual ingress – Beginning of class in August. Rules and alterations are provided in the notice.

Form of ingress: Selection notice for regular students (published on the website).

SPECIAL STUDENTS:

Biannual ingress: Rules and alterations are provided in the notice (published on the website).

**Selection/Ingress Notice:** <http://www.faed.udesc.br/ppginfo>

**Teaching staff:** <http://www.faed.udesc.br/?id=680>

**Program website:** <http://www.faed.udesc.br/ppginfo>

**Disciplines:** <http://www.faed.udesc.br/?id=926>

**Telephone number:** +55 (48) 3664-8588

**Program contact e-mail:** [ppginfo.faed@udesc.br](mailto:ppginfo.faed@udesc.br) / [sec.ppginfo.udesc@gmail.com](mailto:sec.ppginfo.udesc@gmail.com)

**Professional History Education Graduate Program – PHEGP**

**Program Objectives:**

The Professional Master's Program in History Education in the national network has the objective of providing the continued formation that contributes for improving the quality in teaching History in Basic Education, aiming at providing the egress with a certified qualification for exercising the profession of a History teacher.

**Course:**

PROFESSIONAL MASTER'S PROGRAM IN HISTORY EDUCATION - PROFHISTORY

**Concentration areas and research lines:**

HISTORY EDUCATION (Lines: 1. Historical knowledge in the School Environment; 2. Languages and Historical Narratives: Production and Diffusion; and 3. Historical Knowledge in Different Memory Environments).

**Program Differentials (Strengths):**

Professors highly qualified and productive in their respective research lines.

**Minimum formation and other requirements for ingress:**

The candidates approved in the selection process must present, during enrolment, a copy of the undergraduate program diploma, duly registered, and school records.

**Form/period of ingress:**

Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.faed.udesc.br/?id=1449>

**Teaching staff:** <http://www.faed.udesc.br/?id=1227>

**Program website:** <http://www.faed.udesc.br/?id=1215>

**Disciplines:** <http://www.faed.udesc.br/?id=1224>

**Telephone number:** +55 (48) 3664-8586.

**Program contact e-mail:** [sec.profhistoria.udesc@gmail.com](mailto:sec.profhistoria.udesc@gmail.com)

## Zootechny Graduate Program – ZGP

### **Program Objectives:**

The Master's Program in Zootechny aims at providing a scientific and academic formation in the field of Zootechny for the performance of higher education teaching activities, strengthening the development of scientific and technological research, consultation and specialized work in companies and the public sector.

### **Courses:**

MASTER'S PROGRAM IN ZOOTECHNY (Beginning in 2015).

### **Concentration areas and research lines:**

ZOOTECHNY AND PRODUCTION (Lines: 1. Animal Nutrition and Production Systems; 2. Climate-Soil-Plant-Animal Relation).

### **Program Differentials (Strengths):**

The program is a pioneer in the region and the first post-graduation program of the field in public institutions in the west of Santa Catarina. The western region is considered one of the most important in the state, presenting more than one million residents and economy directed at agribusiness. The region is strategically located bordering countries of the MERCOSUL (Argentina and Paraguay), and the west of Parana and North of Rio Grande do Sul.

### **Minimum formation and other requirements for ingress:**

Candidates bearing a diploma of a higher education level or technicians of higher education courses related to the field of Zootechny, Veterinary Medicine, Agronomy, or correlated areas, recognized by the competent organs.

### **Form/period of ingress:**

The selection process constitutes in 1) theoretical exam; 2) research project and the respective defense, and 3) Curriculum evaluation.

The frequency of ingress is biannual, with 13 to 20 positions/semester (depending on the number of egresses of the previous semester). Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.udesc.br/ceo/ppgzoo/editais>

**Teaching staff:** <http://www.udesc.br/ceo/ppgzoo/orientadores>

**Program website:** <http://www.udesc.br/ceo/ppgzoo>

**Disciplines:** <http://www.udesc.br/ceo/ppgzoo/Disciplines>

**Telephone number:** +55 (49) 2049-9553.

**Program contact e-mail:** [ppgzoo.ceo@udesc.br](mailto:ppgzoo.ceo@udesc.br)



**Food Science and Technology Graduate Program – FSTGP**

**Program Objectives:**

The Master's Program in Food Science and Technology aims at providing a scientific and academic formation in the field of Food Science and Technology for the performance of higher education teaching activities, strengthening the development of scientific and technological research, consultation and specialized work in companies and the public sector in the western region of Santa Catarina. It also aims at providing greater economic and technological development to the region. In this context, the objective of the program is to become a reference in the region, especially regarding food security, production technology development and product and process optimization.

**Course:**

MASTER'S PROGRAM IN FOOD SCIENCE AND TECHNOLOGY (Beginning in March of 2016).

**Concentration areas and research lines:**

FOOD SCIENCE AND TECHNOLOGY (Lines: 1. Food Production and Security; 2. Development and Optimization of Products and Processes; and 3. Technology Development and Application).

**Program Differentials (Strengths):**

The western region is considered one of the most important in the state of Santa Catarina, presenting more than one million residents and economy base on agribusiness directly connected to food industrialization. The region concentrates the largest agroindustrial meat processing conglomerates, as well as large milk processing industries, and juice, feedstock, and other industrialized food branches. There are also small and family industries, characteristic of the region, that need the support of qualified professionals to improve products and processes, aiming at the production of safe foods in conformity with the legislation and environment.

**Minimum formation and other requirements for ingress:**

Candidates bearing diploma from a higher education level or technicians of higher education courses related to the field of Food Science and Technology or correlated areas, recognized by the competent organs.

**Form/period of ingress:**

Biannual ingress. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.udesc.br/ceo/cpgcta>

**Teaching staff:** <http://www.udesc.br/ceo/cpgcta>

**Program website:** <http://www.udesc.br/ceo/cpgcta>

**Disciplines:** <http://www.udesc.br/ceo/cpgcta/ensino>

**Telephone number:** +55 (49) 2049-9540.

**Program contact e-mail:** [ppgcta.ceo@udesc.br](mailto:ppgcta.ceo@udesc.br)

### Professional Nursing in Primary Healthcare Graduate Program – PNPFGP

**Program Objectives:**

To contribute to the professional formation of the nurse, qualifying in healthcare practices, as well as developing new technologies to meet the national, regional, and local demands in healthcare.

**Course:**

PROFESSIONAL MASTER'S PROGRAM IN NURSING IN PRIMARY HEALTHCARE (Beginning in 2017).

**Concentration areas and research lines:**

PRIMARY HEALTHCARE (Lines: Work Management and Education in Healthcare; 2. Healthcare Technologies).

**Program Differentials (Strengths):**

The program is a pioneer in the region as the first Professional Master's Program in the field of nursing. It presents qualified teaching staff, with a wide range of experience in the field.

**Minimum formation and other requirements for ingress:**

Candidates bearing a higher education diploma in nursing, recognized by the competent organs.

**Form/period of ingress:**

The admission system for the master's program is annual, through the publication of a notice approved by the PNPFGP collegiate, beginning classes in the second semester (calendar year). Rules and alterations are provided in the notice.

The term for concluding the Professional Master's Program in Nursing in Primary Healthcare abides by the relevant legislation of the Udesc, according to resolutions 025/2009 Consepe and 033/2009 Consepe, consisting in 24 months, with the possibility of a six-month extension, for exceptional cases, judged by the Program collegiate.

**Selection/Ingress Notice:** <http://www.udesc.br/ceo/mpeaps>

**Teaching staff:** <http://www.udesc.br/ceo/mpeaps/docentes>

**Program website:** <http://www.udesc.br/ceo/mpeaps>

**Disciplines:** <http://www.udesc.br/ceo/mpeaps/Disciplines>

**Telephone number:** +55 (49) 2049-9586.

**Program contact e-mail:** [ppgenf.ceo@udesc.br](mailto:ppgenf.ceo@udesc.br)

## Soil Sciences Graduate Program – SSGP

### Program Objectives:

General objective: the Graduate in Soil Sciences Program of the Udesc has the objectives of generating knowledge and qualifying professionals of the agronomic field, strengthening the infrastructure for Research, Education, and Extension, and assisting the many areas of Soil Science and contribute for the development of more productive agriculture with conservationist bases. The program considers the precepts of environmental preservation, especially regarding soil management aiming at soil and water conservation and the improvement of the socioeconomic conditions of rural producers in the state and the country.

### Specific objectives:

- To generate knowledge and Technologies in Soil Sciences, applicable in the regional and national contexts to give technical support to the sectors related to agriculture, especially in the agronomic and environmental areas, focusing on soil management systems, but also including correlated areas.
- To capacitate the post-graduate students in performing Education, Research, and Extension activities in the field of soil management.
- To develop basic researches in the fields of physics, chemistry, mineralogy, and biology of the soils of Santa Catarina, with emphasis on giving technical support to the research applied to Soil Sciences.
- To stimulate research in the field of soil use and conservation, aiming at defining mechanical, vegetative and edaphic practices effective for controlling water erosion and soil conservation, as well as to evaluate the impacts of adopting distinct soil management systems over the physical, chemical, and biological soil properties and crop productivity.
- To evaluate the efficacy of different types of fertilizers and correctives, of mineral and organic natures, for improving the physical, chemical, and biological properties of agricultural soils, aiming at increasing nutrient use efficiency and decreasing production costs.
- To promote studies related to the feasibility of the use of soil for the disposal of organic and inorganic residues, and the environmental impacts derived from it.
- To understand the physiological processes that control the growth and development of the primary annual and perennial crops of the state, and product quality in the post-harvest stage.
- To identify and develop soil management practices that sustainably maximize crop yield under the edapho-climatic conditions of Santa Catarina.

### Courses:

MASTER'S PROGRAM IN SOIL SCIENCE (Beginning in March 1<sup>st</sup>, 1997).

DOCTORATE PROGRAM IN SOIL SCIENCES (Beginning in March 1<sup>st</sup> 2008).

### Concentration areas and research lines:

SOIL MANAGEMENT (Lines: 1. Natural resource characterization, conservation, and use; 2. Dynamics of chemical elements and plant nutrition; 3. Productivity of agricultural and forestry systems).

### Program Differentials (Strengths):

The Post-Graduation Program in Soil Sciences presents a permanent teaching staff comprised of professors with much experience in research, who perform in all areas of soil sciences, as well as a physical and equipment infrastructure that allows the development of advanced studies in Soil Sciences.

### Minimum formation and other requirements for ingress:

Doctorate Program: higher education undergraduate diploma recognized by the Ministry of Education and a *stricto sensu* Master's diploma recommended by Capes in the field of Agrarian Sciences or areas correlated to the concentration area to be studied.

Master's Program: higher education undergraduate diploma recognized by the Ministry of Education in the field of Agrarian Sciences or area correlated to the concentration area to be studied.

Exceptionally, candidates with undergraduate or master's diploma can be accepted into an area not directly correlated to the program at the discretion of the selection commission insofar as the candidate present work plan compatible with the objectives of the program and agree to submit to an adaptation regime with enrolment in undergraduate disciplines when necessary.

### Form/period of ingress:

Form: Application of written exam and curriculum evaluation. Biannual selection notice. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.cav.udesc.br/?id=682>

**Teaching staff:** <http://www.cav.udesc.br/?id=792>

**Program website:** <http://www.cav.udesc.br/?id=682>

**Disciplines:** <http://www.cav.udesc.br/?id=793>

**Telephone number:** +55 (49) 3289-9115.

**Program contact e-mail:** [ppgcs.cav@udesc.br](mailto:ppgcs.cav@udesc.br)

Environmental Sciences Graduate Program – ESGP

**Program Objectives:**

- I. To form human resources in the field of Environmental Sciences for teaching, research, and knowledge transference to public and private companies;
- II. To promote researches aimed at developing studies in the general field of environmental and their applications, contributing to the improvement of research, and qualifying the professors for teaching activities and for diagnosing and solving problems of environmental interest;
- III. To stimulate interdisciplinary reflection and the interinstitutional contact through joint activities with other education, research, and extension institutions;
- IV. To promote scientific production through publications and event organization and participation;
- V. To consolidate a center of excellence in environmental sciences research, especially regarding the environmental impacts of productive activities;
- VI. To foster interdisciplinary studies or those connected to environmental problems of the state, in the national and international spheres;
- VII. To foster the integration between different organs and public and private companies seeking solutions to environmental problems.

**Course:**

MASTER'S PROGRAM IN ENVIRONMENTAL SCIENCES (Beginning in August of 2015).

**Concentration areas and research lines:**

ENVIRONMENTAL TECHNOLOGY AND MANAGEMENT (Lines: 1. Environmental Technology and Modeling; 2. Environmental Management, Monitoring, and Control).

**Program Differentials (Strengths):**

The program presents interdisciplinary performance area, qualified and interinstitutional teaching staff, research support structure, and social insertion.

**Minimum formation and other requirements for ingress:**

The candidate must present higher education undergraduate diploma in area related to Environmental Sciences.

**Form/period of ingress:**

Selection is conducted biannually through written exam, curriculum analysis, and research proposal, regulated by notice.

**Selection/Ingress Notice:** <http://www.cav.udesc.br/?id=847>

**Teaching staff:** <http://www.cav.udesc.br/?id=844>

**Program website:** <http://www.cav.udesc.br/?id=874>

**Disciplines:** <http://www.cav.udesc.br/?id=841>

**Telephone number:** +55 (49) 3289-9100.

**Program contact e-mail:** [ppgcamb.cav@udesc.br](mailto:ppgcamb.cav@udesc.br)

**Forest Engineering Graduate Program – FEGP**

**Program Objectives:**

The program has the objective of forming professionals and generating knowledge and innovation to contribute for the regional development, collaborating with the forestry and environmental sector, which is currently lacking, especially regarding the development of researches on the natural environmental conditions of the region. The Master's Program in Forest Engineering also aims at representing an essential center for research and development, allowing the expansion of partnerships with universities through the undergraduate program.

**Courses:**

MASTER'S PROGRAM IN FOREST ENGINEERING (Beginning in March of 2012).

**Concentration areas and research lines:**

FOREST ENGINEERING (Lines: 1. Ecology of forest species and associated ecosystems; 2. Forest production and wood technology).

**Program Differentials (Strengths):**

- It is the only public and free of charge program in the state of Santa Catarina, resulting in a significant demand for professionals of all areas and regions of the state;
- It is located on the Catarinense Mountain range, a region of great forestry tradition, with a unique ecosystem and climate, as well as companies of the forestry sector, generating significant demand for researches in forestry production, wood technology, and natural resource conservation. The Agroveterinary Sciences Center presents a large number of laboratories, adequately equipped, which attends all post-graduation programs of the center;
- It presents high intellectual production. With almost four times the average of the field of agrarian sciences;
- The term period is of 21.75 months (below the recommended by Capes, which is of 30 months);
- The program has a low dropout rate: four since the beginning of the program in 2012;
- There has been no enrolment interruption;
- There is the interaction between post-graduate and undergraduate students in projects;
- The program presents a high number of scholarships: 8 from Capes, four from PROMOP, three from FUMDES, and 15 from FAPESC, totalizing 29 scholarships (2017);
- It has a high insertion of professionals into the labor market (companies), approvals of tender processes and doctorate programs;
- The University investigates the participation of students and professors in national and international events.

**Minimum formation and other requirements for ingress:**

The candidates must present diplomas from undergraduate programs recognized by the Ministry of Education, in area correlated to the concentration area of the program.

**Form/period of ingress:**

Biannual ingress through the selection process. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.cav.udesc.br/?id=684>

**Teaching staff:** <http://www.cav.udesc.br/?id=768>

**Program website:** <http://www.cav.udesc.br/?id=764>

**Disciplines:** <http://www.cav.udesc.br/?id=769>

**Telephone number:** +55 (49) 3289-9139.

**Program contact e-mail:** [ppgef.cav@udesc.br](mailto:ppgef.cav@udesc.br) / [marcio.navroski@udesc.br](mailto:marcio.navroski@udesc.br)

**Crop Production Graduate Program – CPGP**

**Program Objectives:**

The CPGP of the Udesc has the objective of producing knowledge and forming human resources for the activities of education, research, and extension, as well as for providing technical support to productive sectors connected to agriculture, especially in agronomy, but including correlated areas.

**Courses:**

MASTER'S PROGRAM IN CROP PRODUCTION (Beginning in the first semester (calendar year) of 2003);  
DOCTORATE PROGRAM IN CROP PRODUCTION (Beginning in the first semester (calendar year) of 2010).

**Concentration areas and research lines:**

CROP PRODUCTION (Lines: 1. Post-Harvest Biology and Technology; 2. Plant Physiology and Management; 3. Fruit and Vegetable Crops; 4. Plant Breeding and Genetic Resources; 5. Crop Protection and Agroecology).

**Program Differentials (Strengths):**

The Program presents harmony and adherence of its lines of research and concentration areas. Each line of research presents from four to seven projects, well distributed among the Full Professors for all to have at least one project. There is a balance of the distribution between research lines and concentration areas. The set of disciplines presents updated outlines that combine the fundamentals and the advances in the knowledge of the field, going beyond the simple evolution of undergraduate disciplines. The content fulfills the requirements of the concentration areas and research lines, in consonance with the specializations of the teaching staff and student profile. The number of graduate students (in thesis equivalent) per Full Professor per year was of 2.98. The percentage of graduates in the total student body was of 50% in the Master's Program and 15.5% in the Doctorate Program. The students effectively participate in the scientific production and publication. The Program presents thesis and Dissertations connected to the concentration areas and research lines and projects. The average annual number of high impact factor (A1, A2) articles per Full Professor was of 2.34. Intellectual production is connected to the research lines of the program. The number of articles published in A1 and A2 Journals per Full Professor per year was of 2.35.

**Minimum formation and other requirements for ingress:**

The candidate must present undergraduate (Master) or master's diploma (Doctorate) in the field of agronomy or biological sciences, or formation related to crop production.

**Form/period of ingress:**

Biannual selection process. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.cav.udesc.br/?id=680>

**Teaching staff:** <http://www.cav.udesc.br/?id=690>

**Program website:** <http://www.cav.udesc.br/?id=685>

**Disciplines:** <http://www.cav.udesc.br/?id=691>

**Telephone number:** +55 (49) 3289-9241.

**Program contact e-mail:** [ppgpv.cav@udesc.br](mailto:ppgpv.cav@udesc.br)

Biochemistry and Molecular Biology Graduate Program – BMBGP

**Program Objectives:**

- To provide knowledge in the fields of Biochemistry and Molecular Biology, with rigorous training in basic experimental principles to qualify professionals for the study of any biological problem, preparing the students for performing research and higher education activities in the field, respecting the good scientific practices code;
- To incentivize research and increase the scientific productivity in the field of Biochemistry and Molecular Biology;
- To expand the number of professionals with modern, differentiated, and excellence qualification in the area, able to compete in the best national and international centers.

**Courses:**

MASTER'S PROGRAM IN BIOCHEMISTRY AND MOLECULAR BIOLOGY (Beginning in January of 2014);  
DOCTORATE PROGRAM IN BIOCHEMISTRY AND MOLECULAR BIOLOGY (Beginning in January of 2014).

**Concentration areas and research lines:**

BIOCHEMISTRY AND MOLECULAR BIOLOGY (Lines: 1. Biochemistry in pathological states; 2. Biotechnology; 3. Functional genomics; 4. Cellular mediators).

**Program Differentials (Strengths):**

Solid formation in the basic and advanced aspects of Biochemistry and Molecular Biology. Training in advanced analyses techniques supported by the surveyed hypotheses.

**Minimum formation and other requirements for ingress:**

For the Master's Program:

- I. Registration form, completed, and three 3x4 photographs;
- II. Copy of the undergraduate diploma or equivalent document, or any other that proves the candidate capable of concluding the program;
- III. School records;
- IV. "Curriculum Vitae";
- V. Proof of fulfilling military and electoral obligations, in case of Brazilian candidate;
- VI. Proof of fulfilling the Federal Migration Service obligations and of financial support for the period of stay in the country, in case of foreign candidates;
- VII. Other documents considered pertinent by the collegiates specified in the selection notice.

For the Doctorate Program:

- I. Registration form, completed, and three 3x4 photographs;
- II. Copy of the undergraduate diploma. In case the candidate in coursing the master's program, present the documentation that proves the candidate is capable of concluding the Master's Program before beginning the Doctorate Program;
- III. School records;
- IV. "Curriculum Vitae";
- V. Proof of fulfilling military and electoral obligations, in case of Brazilian candidate;
- VI. Proof of fulfilling the Federal Migration Service obligations and of financial support for the period of stay in the country, in case of foreign candidates;
- VII. Two presentation letter;
- VIII. Copy of the diploma and Master's thesis (or defense record), when applicable;
- IX. Research project to be developed, according to the model provided by the program.

**Form/period of ingress:**

Annual selection process with exams usually in November. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.cav.udesc.br/?id=880>

**Teaching staff:** <http://www.cav.udesc.br/?id=880>

**Program website:** <http://www.cav.udesc.br/?id=880>

**Disciplines:** <http://www.cav.udesc.br/?id=880>

**Telephone number:** +55 (49) 3289-9171.

**Program contact e-mail:** [ppgbqbm.cav@udesc.br](mailto:ppgbqbm.cav@udesc.br)



Animal Science Graduate Program – ASGP

**Program Objectives:**

The ASGP of the Udesc has the objective of promoting knowledge generation and the capacitation of professionals for research, education, and technical support to productive sectors related to Animal Health and Production.

**Courses:**

MASTER'S PROGRAM IN ANIMAL SCIENCE (Beginning in March of 2003);  
DOCTORATE PROGRAM IN ANIMAL SCIENCE (Beginning in March of 2012).

**Concentration areas and research lines:**

ANIMAL HEALTH (Lines: 1. Animal sanity and pathology; 2. Veterinary clinic and surgery);  
ANIMAL PRODUCTION (Lines: 1. Nutrition, Animal Management, and Forage; 2. Genetics, Breeding, and Animal Reproduction).

**Program Differentials (Strengths):**

The ASGP of the Udesc/Lages is the only Graduate Program in the field of Animal Science in the state of Santa Catarina with Masters and Doctorate programs. The academics have access to a wide and interdisciplinary formation due to both consolidated concentration areas.

**Minimum formation and other requirements for ingress:**

For obtaining the title of doctor in Animal Science, it is necessary to course 48 credits in disciplines (with the possibility of using up to 24 credits from the master's program) and 12 credits with the dissertation. Data subject to alterations according to the notice.

**Form/period of ingress:**

The registration for the selection process usually occurs in June and November, and the number of positions and more information is available in the notice. The Programs are free of charge and recognized by Capes. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.cav.udesc.br/?id=1154>

**Teaching staff:** <http://www.cav.udesc.br/?id=742>

**Program website:** <http://www.cav.udesc.br/?id=735>

**Disciplines:** <http://www.cav.udesc.br/?id=736>

**Telephone number:** +55 (49) 3289-9169.

**Program contact e-mail:** [ppgca.cav@udesc.br](mailto:ppgca.cav@udesc.br)

## Visual Arts Graduate Program – VAGP

### Program Objectives:

To form researchers in Visual Arts for performing in the areas of artistic production, theoretical production, and in the different levels of national education, in a committed and reflexive manner, perceiving and using research as a resource of social transformation. The program seeks to deepen the studied themes, propose knowledge topics and fields, as well as constantly update and dialog with new theories and questions presented in national and international spheres.

Specific objectives:

1. To stimulate the preparation of professional qualified to produce and reflect on research, education, and extension regarding visual arts;
2. To identify potential areas of research in the scenario of visual arts, especially on social demands;
3. To establish relations between basic and applied research within the context of visual arts;
4. To promote the production and diffusion of knowledge regarding the main problems of the field and strengthen the investigation processes as support for the performance of the professionals in the field of visual arts;
5. To diagnose regional social scenarios in the performance of professionals from the field of visual arts to systematize current problematics that favor the necessary changes to the field of visual arts;
6. To narrow institutional bonds between national and international reality to widen the diffusion and exchange of the production of the VAGP;
7. To qualify professionals capable of performing in higher education in a reflexive and socially active manner;
8. To construct strategies fostering reflection, exchange, and stimulation to the cultural, scientific, and artistic promotion of local productions of the themes emerging in the field.

### Courses:

MASTER'S PROGRAM IN VISUAL ARTS (Beginning in August of 2005);

DOCTORATE PROGRAM IN VISUAL ARTS (Beginning in 2013).

### Concentration areas and research lines:

VISUAL ARTS (Lines: 1. The teaching of Visual Arts; 2. Contemporary Artistic Processes; 3. Theory and History of Visual Arts).

### Program Differentials (Strengths):

The Post-Graduation Program in Visual Arts is prominent in its three Research Lines:

- *Teaching of Visual Arts*: in this line, we develop researches on the many contexts of teaching visual arts, considering its communication, intelligible and sensitive, and aesthetic and artistic aspects. The investigations approach the formal and non-formal teaching processes, highlighting the inclusive actions, child drawing, teacher formation, daily life aesthetics, alternative education or in open spaces, as well as education directed at new media and art created from these resources.
- *Contemporary Artistic Processes*: this line contemplates researches connected to different artistic means, articulating processes and experiments with a critical and theoretical reflection.
- *Theory and History of Visual Arts*: this line contemplated researches on experiences, sensibilities, and artistic and aesthetic perceptions involving a space-time articulation. We recognize the distance between what was once experienced and what can be considered injunctions and unfoldings, assimilations, and redefinitions, emphasizing a conceptual thought, methodologically attentive to the object and senses within reach.

From the undergraduate program in visual arts, all research lines contribute to the formation of a basic repertoire of theoretical and practical information destined for artists and professors. Such a set of knowledge is not offered in Basic Education or High School, neither is it easily accessed in libraries, museums or galleries. Therefore, it serves a need to widen the conditions of access to knowledge and provides researches directed at the artistic complexities and many cultural implications, considering its articulations without losing its particularities.

Regarding the ingressing students, many perform in teaching, overall in undergraduate studies, with many continuing into doctorate studies, confirming the profile of professional researcher. The data collected by Capes in the last three years, we identified that 27 egresses perform in higher education, in universities in Santa Catarina, Parana and other states of the southeastern region. Another six are conducting doctorate studies, and the others are performing in public and private schools, cultural institutions, or as cultural producers and artists, among other activities.

The VAGP/CEART has accepted students from other states, especially from the south and southeastern regions of the country, which demonstrates that the profile of professional researcher and their geographic mobility enhances the need to fulfill this contemporary social and irreversible demand. Considering the program's evolution, local and regional studies, as well as their interrelations with wider studies, a successful journey in the formation of researchers for the context of visual arts, and the significant intervention of the program over local and regional institutions of the artistic context, we highlight the suitability of continuing the work and its qualification with the creation of the doctorate program.

**Minimum formation and other requirements for ingress:**

The VAGP/CEART annually publishes a notice for the selection of regular students, offering 18 positions for the master's program in visual arts, and 12 positions for the doctorate program. The Notice is published in December. The selection process occurs in the first semester (calendar year), and classes begin in August. Rules and alterations are provided in the notice.

**Form/period of ingress:**

Annually (in the first semester – calendar year), with a single ingress in the second semester. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.udesc.br/ceart/ppgav/processos>

**Teaching staff:** <http://www.udesc.br/ceart/ppgav/docentes>

**Program website:** <http://www.udesc.br/ceart/ppgav>

**Disciplines:** <http://www.udesc.br/ceart/ppgav/estruturacurricular>

**Telephone number:** +55 (48) 3664-8315.

**Program contact e-mail:** [ppgav.ceart@udesc.br](mailto:ppgav.ceart@udesc.br)

Design Graduate Program – DGP

**Program Objectives:**

General objective:

To promote the qualification of professionals in the field of design and strengthen the infrastructure for research, education, and extension. The program also aims to provide a better understanding of the problems related to the production processes, establishing a consistent intervention in research practices, constituting a space for reflections on the problematics related to design in production and education, contributing to the development and improvement of academic qualification conditions for the socioeconomic benefit of the state.

Specific objectives:

1. To fulfill the needs of forming professors and researchers, supplying the regional demand for masters in the higher education institutions and contributing to improving the quality of the regional and national education system;
2. To unite research teams related to the problematics of design, based on the reflections derived from theoretical approaches linked to practice, inserting the produced knowledge in undergraduate and post-graduate studies, in a logic and consistent package;
3. To create narrow connections between education and research through the programs concentration areas and research lines;
4. To reinforce the focus of the undergraduate program, to continue and deepen the many types of research developed;
5. To develop basic researches applied to the objects of graphic and industrial design, according to methodological approaches and human factors;
6. To stimulate the academic production in the field of design.

**Course:**

MASTER'S PROGRAM IN DESIGN (Beginning in August of 2011).

**Concentration areas and research lines:**

METHODS FOR HUMAN FACTORS (Lines: 1. Physical Interfaces and Interactions; 2. Cognitive Interfaces and Interactions; 3. Organization and Human Factors).

**Program Differentials (Strengths):**

The DGP of Udesc was the first post-graduation program in design with a complete focus on Ergonomy and Human Factors, presenting research lines in the three Ergonomy areas: Physical, Cognitive, and Organizational. The researches have practical and experimental character, with field and laboratory activities, applying the concepts and theories studied in real cases, contributing to the improvement of processes and products of daily life. To do this, the program establishes partnerships with many institutions and organizations that allow the access of students to technology and real situations in which researches are developed. The DGP integrates the Assertive Technology Research and Development Network – RPDTA, along with other renowned research centers of the country such as UFSC, UFPR, UTFPR and UNESP, in addition to international partnerships, such as the Université Franche-Comté, and the international performance of the professors in institutions such as the Universidad San Ignacio de Loyola and Tecnológico de Monterrey.

**Minimum formation and other requirements for ingress:**

The candidate must bear an undergraduate diploma in design and correlated areas, or in other formation areas, but that directly act with Ergonomy and Human Factors.

**Form/period of ingress:**

The selection process is annually published in a notice and includes an exam of the English language, thematic writing, interview, curriculum analysis, and research Project evaluation. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.udesc.br/ceart/ppgdesign/processosseletivos>

**Teaching staff:** <http://www.udesc.br/ceart/ppgdesign/docentes>

**Program website:** <http://www.udesc.br/ceart/ppgdesign>

**Disciplines:** <http://www.udesc.br/ceart/ppgdesign/estruturacurricular>

**Telephone number:** +55 (48) 3664-8381 / 3664-8319.

**Program contact e-mail:** [ppgdesign.ceart@udesc.br](mailto:ppgdesign.ceart@udesc.br)



Professional in Clothing Design and Fashion Graduate Program – PCDFGP

**Program Objectives:**

General objective:

The Professional Master's Program in Clothing Design and Fashion of the Udesc aims at the qualification of high-level professionals, committed to the production of technical-scientific knowledge for proposing innovative solutions based on new technologies, and attentive to the principles of a creative economy.

Specific objectives:

1. To qualify professionals to perform in the field of Clothing Design and Fashion, capable of applying theoretical approaches connected to practice;
2. To expand and generate knowledge, techniques, and procedures that can serve Society, education activities, research, and the companies related to the fashion system;
3. To provide a specific, updated, and quality formation according to the chosen research line;
4. To strengthen the academic reflection on social, environmental, and cultural dimensions related to the fashion universe;
5. To supply the demand from companies in the textile and clothing sectors, as well as the higher education institutions, with qualified professionals.

**Course:**

PROFESSIONAL MASTER'S PROGRAM IN CLOTHING DESIGN AND FASHION (Beginning in August of 2017).

**Concentration areas and research lines:**

FASHION AND CLOTHING TECHNOLOGY (Lines: 1. Fashion Design and Society; 2. Clothing Design and Technology).

**Program Differentials (Strengths):**

The program supplies the need of the community, companies, organizations, NGOs, among others, in Santa Catarina.

**Minimum formation and other requirements for ingress:**

The candidate must bear an undergraduate diploma from any formation area.

**Form/period of ingress:**

Selection process/annual ingress. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.udesc.br/ceart/ppgmoda/processosseletivos>

**Teaching staff:** <http://www.udesc.br/ceart/ppgmoda/docentes>

**Program website:** <http://www.udesc.br/ceart/ppgmoda>

**Disciplines:** <http://www.udesc.br/ceart/ppgmoda/estruturacurricular>

**Telephone number:** +55 (48) 3664-8345.

**Program contact e-mail:** [ppgmoda.udesc@gmail.com](mailto:ppgmoda.udesc@gmail.com)

## Music Graduate Program – MGP

### Program Objectives:

General objective:

The MGP has the objective of producing knowledge in the field of music through research and reflection on music and its sociocultural, historical, educational, compositional, and interpretative fundamentals, forming professionals qualified to perform in the generation and diffusion of knowledge and to professionally act in education, research, and artistic practice of music and correlated areas.

Specific objectives:

1. To form human resources capable of supplying the demands of higher education and new professional spaces in the field of music, ensuring the growth of their qualitative level;
2. To qualify professors to perform in higher education and in other venues, capable of contributing in different university contexts, developing education, research, and extension activities with high-quality level;
3. To give continuity to the studies initiated in the undergraduate music programs of the Udesc, deepening the themes of the many research lines in music developed in the Arts Center, supplying the regional demands;
4. To produce and disseminate reflections on the many theoretical and practical approaches in the field of music, uniting the knowledge produced in undergraduate and post-graduate studies in a single coherent and consistent package;
5. To form professional capable of promoting the access to music and musical education in different sectors of society.

### Course:

MASTER'S PROGRAM IN MUSIC (Beginning in 2007).

### Concentration areas and research lines:

MUSIC: the field of music includes Works developed in the areas of musical education, musicology, theory, and analysis, in its interfaces with music creation and interpretation processes, appreciating this profile characterized by the articulation between fields of musical knowledge and academic and artistic production.

Lines:

1. *Musical Education*: the field of music includes Works developed in the areas of musical education, musicology, theory, and analysis, in its interfaces with music creation and interpretation processes, appreciating this profile characterized by the articulation between fields of musical knowledge and academic and artistic production.
2. *Theory and History*: This research line encompasses researches of historical and theoretical character based on textual, musical, and audible documents. It includes the historical-musicological research from documental collections and historical and theoretical approaches to popular music.
3. *Creative Processes*: This research line focuses on musical studies in the interfaces between analytical, musicological, compositional, and music interpretation processes. It includes researches on musical poetry, artistic investigations, performances, theoretical and analytical models and ethnomusicological approaches in repositories of different sociocultural contexts.

### Program Differentials (Strengths):

The expressive intellectual, artistic, and bibliographical production of the MGP students reflects the impact of the program on the field of national and international music. The integration and articulation of the research lines and projects with the undergraduate music programs (bachelor and licentiate) are one of the program's differentials. The scientific and artistic activities promoted by the program have wide repercussions on the community, highlighting events, concerts, lectures, and workshops. The professors have expressive participation in the scientific and academic associations, both national (ANPPOM, ABEM, ABET, TEMA, among others), and international, such as *ISME – International Society for Music Education and IASPM - International Association for the Study of Popular Music*. The professor's performance in editing important journals, such as *Opus*, *ABEM*, *MEB - Música na Educação Básica*, and *NUPEART*. The *Orfeu Journal* of the PGPMUS has been consolidating itself in the field with its thematic portfolios.

The infrastructure offered by the university for the development of research projects, classes, and advising is a strong point considering the laboratories available to students and professors, the spaces for advising, and the availability of rooms equipped with computers, sound equipment, and projectors. The MGP also counts on the support of the Communication Center of the Arts Center for promoting its activities and events.

### Minimum formation and other requirements for ingress:

To register for the selection process, the candidate must bear an undergraduate diploma awarded by an official Higher Education Institution or recognized by the National Education Council. Candidates concluding an undergraduate program must present a

document proving the candidate is coursing the last semester. Foreign candidates must bear undergraduate diploma issued by foreign institutions recognized and be recognized by national Higher Education Institutions or authenticated and recognized in their country of origin by Brazilian Embassy (or Consulate). Foreign candidates must also present proficiency certificate in the English language issued by an official institution recognized by the Brazilian authorities. All candidates will be submitted to a single selection process, regulated by a notice. More information is published in the selection notices.

**Form/period of ingress:**

The notice of the selection process for regular students is published every December. The exams occur during the first semester (calendar year) for classes beginning in August.

The notice of the selection process for special students is published every semester aiming at selecting students interested in coursing disciplines of the MGP. Registration opens in February for ingress in the first semester and in July for ingress in the second semester (calendar year). A special student has no affiliation to the MGP and can course individual disciplines. To candidate as a special student, it is necessary to have concluded an undergraduate program or already be a special student in other post-graduate programs recognized by Capes. The disciplines offered each semester are established in a specific notice. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** [http://www.udesc.br/ceart/ppgmus/processos\\_seletivos](http://www.udesc.br/ceart/ppgmus/processos_seletivos)

**Teaching staff:** <http://www.udesc.br/ceart/ppgmus/docentes>

**Program website:** <http://www.udesc.br/ceart/ppgmus>

**Disciplines:** <http://www.udesc.br/ceart/ppgmus/sobre/curriculo>

**Telephone number:** +55 (48) 3664-8335.

**Program contact e-mail:** [ppgmus.ceart@udesc.br](mailto:ppgmus.ceart@udesc.br) / [ppgmus.udesc@gmail.com](mailto:ppgmus.udesc@gmail.com)



## Theater Graduate Program – TGP

### Objective of the Program:

The Master's Program has the objective of providing the professional with conditions of developing scientific studies in the field of theater and qualifying him/her as a professor in higher education and for specialized professional work. The program also aims at offering the opportunity of deepening professional and academic knowledge and developing skills for conducting researches in the area.

The Doctorate Program has the objective of forming high-level researchers capable of solving problems regarding the knowledge in the field of theater, in addition to offering the opportunity to deepen their professional and academic knowledge and developing skills to conduct original or independent advanced researches in the field of theater.

### Courses:

MASTER'S PROGRAM IN THEATER (Beginning in March of 2002);  
DOCTORATE PROGRAM IN THEATER (Beginning in March of 2009).

### Concentration areas and research lines:

THEATER THEORIES AND PRACTICES (Lines: 1. Theater, Society, and Scenic Creation; 2. Scenic Languages, Body and Subjectivity).

### Program Differentials (Strengths):

The program has established research collaborations with researchers from Latin America and Portuguese-Hispanic Europe. It regularly organizes the Colloquium Thinking the Contemporary Scenery which has brought lecturers and debaters such as Marvin Carlson, Patrice Pavis (1<sup>st</sup> edition), Ileana Diegues Caballeros, José Sanchez (2<sup>nd</sup> edition), Vitória Perez Royo and Marcelo Evelin (3<sup>rd</sup> edition). It has also established, through research groups, research nuclei on Poetic Policies of Contemporary Theater, Feminist Theater, Contemporary Acting, and Dance/Improvisation in Urban Contexts, which cooperate in the procedures and research methodologies with foreign institutions and universities. The program conducts historical and theoretical, as well as theoretical-practical projects. For the practical researches, the program can use the Scenic Technology Experimental Laboratory, which offers latest generation illumination and sound systems, obtained with FINEP resources. The program currently presents 17 doctorate and 17 masters scholarships from Capes, 5 FAPESC doctorate and 1 masters scholarships, and 4 doctorate and 4 masters scholarships from Udesc (via PROMOP program).

### Minimum formation and other requirements for ingress:

The candidates of the Master's Program selection process must present an undergraduate diploma and, for the doctorate selection process, a master's diploma. The program offers complementary special positions for candidates derived from the north and center-west regions, also ensuring positions for Black, Native-American, and transgender candidates. Since 2018, the program has determined that candidates from Spanish-speaking countries in Latin America can perform the written exam in Spanish, based on post-graduation programs recognized as *Sticto sensu* by the Ministry of Education in their country of origin.

### Form/period of ingress:

The selection process for the master's and doctorate programs in Theater occurs annually in the first semester (calendar year), with a single entry in the second semester. Rules and alterations are provided in the notice.

**Selection/Ingress Notice:** <http://www.udesc.br/ceart/ppgt/processosseletivos>

**Teaching staff:** <http://www.udesc.br/ceart/ppgt/docentes>

**Program website:** <http://www.udesc.br/ceart/ppgt>

**Disciplines:** <http://www.udesc.br/ceart/ppgt/ementas>

**Telephone number:** +55 (48) 3664-8375.

**Program contact e-mail:** [ppgt.ceart@udesc.br](mailto:ppgt.ceart@udesc.br)

## ARTS COLLEGE – CEART.

### Professional Arts Graduate Program – PAGP

#### **Program Objectives:**

The PAGP is a professional master's program (*Stricto sensu*) in arts, coordinated by the Udesc. Its objective is to provide the continued formation of arts teachers for public Basic Education, proposing discussions on the role of art education in school and the community.

#### **Course:**

PROFESSIONAL MASTER'S IN ARTS - PAGP (Beginning in 2014).

#### **Concentration areas and research lines:**

Art education.

#### **Program Differentials (Strengths):**

The PAGP is a national network program with 11 universities, focused on research and artistic creation in schools.

#### **Minimum formation and other requirements for ingress:**

Bear an undergraduate diploma and teach at a public school with classroom activities.

#### **Form/period of ingress:**

Ingresso por processo nacional de seleção, bianual. Regras e alterações previstas em Edital.

**Selection/Ingress Notice:** <http://www.udesc.br/ceart/profartes>

**Teaching staff:** <http://www.udesc.br/ceart/profartes/docentes>

**Program website:** <http://www.udesc.br/ceart/profartes>

**Disciplines:** <http://www.udesc.br/ceart/profartes/projetodocourse/Disciplines>

**Telephone number:** +55 (48) 3664-8300.

**Program contact e-mail:** [profartes@udesc.br](mailto:profartes@udesc.br)

Human Movement Sciences Graduate Program – HMSGP

**Program Objectives:**

1. Form qualified and autonomous professionals for performing education and scientific and technological development activities regarding Human Movement Sciences.
2. Produce innovating scientific knowledge regarding Human Movement Science.
3. Contribute to the scientific and technological development of the Brazilian public universities, especially Udesc.
4. Consolidate the Cefid/Udesc as a scientific and academic center of excellence in the national and international scenario.
5. Intensify the relations between undergraduate studies and post-graduation through education, research, and extension.
6. Consolidate national and international academic mobility for graduate and post-graduate studies.
7. Contribute for the social responsibility of the University through the implementation of actions resulting from the production of knowledge regarding Human Movement Sciences.

**Courses:**

MASTER'S PROGRAM IN HUMAN MOVEMENT SCIENCES (Beginning in 1997);  
DOCTORATE PROGRAM IN HUMAN MOVEMENT SCIENCES (Beginning in 2009).

**Concentration areas and research lines:**

BEHAVIORAL STUDIES OF HUMAN MOVEMENT.

Lines:

1. Physical activity and health:

Studies the implications of physical activity in the promotion, prevention, and maintenance of health and quality of life.

2. Motor behavior:

Studies the motor, cognitive, growth, and development aspects that comprise the learning and control processes of motor skills.

3. Sports performance:

Studies the components of sports performance aimed at improvement.

**Program Differentials (Strengths):**

- Has a history of 21 years of *stricto sensu* graduate formation with hundreds of Masters and almost a decade of forming Doctors;
- Maintains agréments and partnerships with the best universities in the country and abroad through research projects, international publications and events in collaboration with professors and students of the HMSGP;
- Produces, teaches and orients in international publication of high scientific and social impact;
- Forms academic Masters and Doctors with high-level quality for scientific production and teaching in higher education, as well as for a more qualified intervention;
- Produces innovations and technologies applied to sports, from formation to high-performance, physical activity, and health, as well as for the development of rehabilitation and motor behavior;
- It is a Graduate Program highlighted in subareas, such as Exercise Physiology, Cardiopulmonary and metabolic Rehabilitation, physical activity and health with applications in many diseases and different populations, such as elderly, sport and exercise psychology, water biomechanics, adapted physical education, sports performance, human and motor development, among others.
- The program has produced egresses who have been prominent in tender processes for higher education centers in the country and abroad, in addition to assuming leadership positions and functions in the area;
- It disposes of gold-standard, international, and modern laboratories and equipment, integrated to the activities of education, research, and extension, assembling master's degree and doctorate students with scientific trainees and post-doctorate interns;
- It raises funds through internal and external notices, strengthening its activities;
- It grants a master's degree and doctorate scholarships obtained from CNPq, Capes, and Fapesc, as well as from other fostering agencies, awarded to students through public competition notice;
- It accepts post-doctorate interns, and sporadically grants scholarships.

**Minimum formation and other requirements for ingress:**

To ingress into the academic master's program, the candidate must have concluded a higher education undergraduate program recognized by the Ministry of Education. For the doctorate program, in addition to the undergraduate diploma, the candidate must present a *stricto sensu* post-graduate diploma approved by Capes. The candidates may present distinct formations, but the research projects must fit the concentration area and research lines of the program.

**Form/period of ingress:**

Ingress occurs through selection notice – public tender process for the positions in the master's and doctorate programs. Selection occurs once per year, always by public notice, and the process occurs between June and July, for ingress in August. The maximum term for the master's program is of 24 months counting from ingress, and of the doctorate program, of 48 months. Rules and alterations are provided in the Notice.

**Selection/Ingress Notice:** <http://www.cefid.udesc.br/?id=316>

**Teaching staff:** <http://www.cefid.udesc.br/?id=654>

**Program website:** <http://www.cefid.udesc.br/?id=84>

**Disciplines:** <http://www.cefid.udesc.br/?id=306>

**Telephone number:** +55 (48) 3664-8693.

**Program contact e-mail:** [ppgcmh.cefid@udesc.br](mailto:ppgcmh.cefid@udesc.br)

Physical Therapy Graduate Program – PTGP

**Objective of the Program:**

Promote the training of qualified human resources capable of acting in education and research in Physical Therapy.

**Course:**

MASTER'S PROGRAM IN PHYSICAL THERAPY (Beginning in August of 2011).

**Concentration areas and research lines:**

CONCENTRATION IN EVALUATION AND INTERVENTION IN PHYSICAL THERAPY.

The program maintains three research lines within the concentration area of physical therapy evaluation and intervention. One of the lines focuses on the control of human posture and movement, another develops researches in cardiorespiratory physical therapy, and a third researches neurologic physical therapy.

*1. Physical therapy evaluation and intervention in the control of the human posture and movement:*

Studies the basic mechanisms of the control of human posture and movement. Develops experimental researches to produce changes in these mechanisms and to evaluate the effectiveness of new evaluation and treatment strategies in neuromuscular Physical Therapy.

*2. Evaluation and intervention in cardiorespiratory Physical Therapy:*

Develops qualitative and quantitative methods for the functional evaluation of the respiratory and cardiovascular systems. Studies the effects of different Physiotherapy interventions for children and adults.

*3. Neurologic Physical Therapy: Neurobiological mechanisms, evaluation, and intervention in adults/elderly:*

Studies the basic neurobiological mechanisms, applied to *Neurologic Physical Therapy*, of the lesion and recovery processes of the nervous system, as well as the *Physical Therapy* evaluation and intervention for adults and elderly with dysfunctions derived from nervous system affections.

**Program Differentials (Strengths):**

It is the only Physical Therapy Graduate Program in the Southern region of the country, with:

- Solid formation of human resources, focusing on professor and research career;
- Specific disciplines in the areas of Physical Therapy;
- Professors with diversified formations;
- Development of studies regarding Physical Therapy in national and international scenarios;
- Compromise with regional social development.

**Minimum formation and other requirements for ingress:**

Have concluded an undergraduate program, preferentially in an area correlated to health sciences.

**Form/period of ingress:**

At every beginning of the second semester (calendar year). There is a selection at the beginning of the first semester when there are remaining positions. Rules and alterations are provided in the Notice.

**Selection/Ingress Notice:** <http://www.cefid.udesc.br/?id=85>

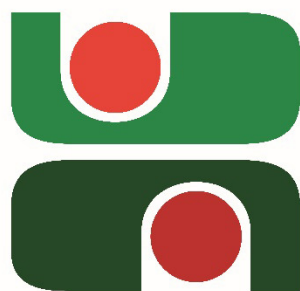
**Teaching staff:** <http://www.cefid.udesc.br/?id=326>

**Program website:** <http://www.cefid.udesc.br/?id=85>

**Disciplines:** <http://www.cefid.udesc.br/?id=334>

**Telephone number:** +55 (48) 3664-8660.

**Program contact e-mail:** [mestradosfisioterapia.cefid@udesc.br](mailto:mestradosfisioterapia.cefid@udesc.br)



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