



MINISTÉRIO DA EDUCAÇÃO  
UNIVERSIDADE FEDERAL DE SANTA CATARINA  
CENTRO DE CIÊNCIAS FÍSICAS E MATEMÁTICAS  
PROGRAMA DE PÓS-GRADUAÇÃO EM FÍSICA

**Call for Applications nº. 6/2021/PPGFSC**

**SELECTION PROCESS FOR ADMISSION TO THE DOCTORAL PROGRAM IN PHYSICS**

The Coordinator of the UFSC Graduate Program in Physics (PPGFSC/UFSC), in the exercise of his statutory duties, attributed by the Normative Resolution nº. 95/CUn/2017, of 4 April 2017, Normative Resolution n.º 57/2019/CPG, of 28 November 2019 and Resolution nº 31/2019/CPG, of 7 de June de 2019, makes public and establishes the rules for the application process destined to select students for admission to the PPGFSC Doctoral Program.

**1. PURPOSE**

1.1 This call for applications initiates the selection process for admission to the PPGFSC/UFSC Doctoral Program, whose aim is to provide scientific and professional development through advanced studies and scientific research.

**2. SCHEDULE**

- Call for applications on the program's website and notice board: November 1, 2021.
- Application period: from November 1, 2021, at 10 am, to November 30, 2021, at 5 pm (all times are given in Brazilian Standard Time, UTC -3).
- Approval of applications: December 1, 2021, after 5 pm.
- Period for appealing the application decision: from December 2, 2021, at 0 AM, to December 6, 2021, at 11:59 pm.
- Release of approved applications after analyzing the appeals: from december 7, 2021, 5 pm.
- Final result: December 13, 2021, after 5 pm.
- Period for appealing the final result: from December 14, 2021. after 5 pm, to December 17, 2021, at 5 pm.

- Release of final results after analyzing the appeals: December 20, 2021, after 5 pm.
- Pre-registration period: from February 1, 2022 to February 18, 2022.

### 3. APPLICATION PROCEDURES

3.1. Applicants may hold a master's degree in physics or in exact sciences and/or engineering fields. This option will be referred to hereinafter as "doctoral admission with a prior master's degree".

3.2. The PPGFSC/UFSC may accept applicants who hold a bachelor's degree in physics or equivalent degree, even if they do not hold a master's degree. This option will be referred to hereinafter as "direct doctoral admission".

3.3. To apply for admission to the doctoral program, the applicant must do the following:

a) **Fill in the online application form**, available at: <https://capg.sistemas.ufsc.br/inscricao/home.xhtml>

b) Attach the following documents to the online form:

- **Digitized copy of official identification document with photo (e.g. passport);**
- **Digitized copy of the bachelor or licentiate degree certificate (double-sided).** For application purposes, exclusively for applicants who opted for the "direct doctoral admission" in their application form, other documents certifying that the degree will be completed before the date of registration in the PPGFSC/UFSC, as established in the UFSC 2022/1 academic calendar, will be accepted;
- **Digitized copy of the master's degree certificate (double-sided).** For application purposes, other documents certifying that the degree will be completed before the date of registration in the PPGFSC/UFSC, as established in the UFSC academic calendar, will be accepted;
- **Digitized copy of updated undergraduate transcript (exclusively for applications to the direct doctoral admission);**
- **Digitized copy of updated master's transcript;**
- **Proof of registration in the Unified Exam of Graduate Studies in Physics** (known in Portuguese as Exame Unificado de Pós-graduações em Física, or by its acronym EUF. It is necessary to attach a scanned copy of document containing the registration number);

- **Digitized version of *Curriculum vitae* in free format.** Brazilian applicants should attach a digitized copy of the *Curriculum Lattes/CNPq*, updated and available at <http://lattes.cnpq.br/>.
- **Copy of article(s) published / accepted in an indexed scientific journal:** It is necessary to attach a digitized copy of the first page of the article;
- **Copy of article(s) submitted for publication in an indexed scientific journal:** It is necessary to attach a digitized copy of the first page of the manuscript and document to attest the submission;
- **Presentation at scientific conferences:** It is necessary to attach a digitized certificate of presentation;
- **Undergraduate research project:** Digitized certificate must be attached;
- **Quantitative list of bibliographic production for curriculum analysis, duly filled in** (see Annex I).

3.4. The online registration form will only allow uploading PDF files, with a limit of 20 (twenty) megabytes per file.

3.5. No late submissions, or submissions by fax, mail or similar means will be accepted.

3.6. The candidate must inform in the online registration form (see item 3.2) his/her enrollment number in the Unified Exam of Graduate Studies in Physics (EUF) and the month and year in which he/she took the EUF.

3.7. A single registration number corresponding to any of the 3 (three) last editions of the EUF in 2020 will be accepted (EUF 1-2020, EUF 2-2020 and EUF 3-2020), EUF editions held in 2019 and the EUF 1-2021 and EUF 2-2021 editions.

3.8. In case more than one application from the same applicant is received, only the most recent application will be considered.

#### **4. THE SELECTION PROCESS**

4.1. The selection process for the doctoral applicants will consist of three partial grades: the EUF normalized grade (N1), the *curriculum vitae* evaluation (N2) and the master's score (N3).

4.2. The final grade (NF) will be the sum given by  $NF = N1 + N2$ .

4.3. The EUF normalized grade (N1) will be calculated by the formula:

$N1 = [(EU\text{F Grade} \times 4.0) / (EU\text{F Average})]$ , where the “EU F Average” refers to the average grade over all EU F participants in that edition. The N1 grade will be calculated to the second decimal place.

4.4. The applicant who obtains N1 lower than 1.5 (one point five) will be disqualified.

4.5. The N2 grade consists in the *curriculum vitae* analysis.

4.6 The applicant's *curriculum vitae* has to be supported by accompanying documents for all bibliographical production described in the CV, which will be analyzed by the Selection Committee according to the following criteria:

a) **Article published/accepted in an indexed scientific journal** (It is necessary to provide a digitized copy of the paper's first page):

- 1.0 (one point zero) point if Qualis CAPES A1 or A2;
- 0.8 (zero point eight) point if Qualis CAPES B1 or B2;
- 0.5 (zero point five) point if Qualis CAPES B3, B4 or B5;
- 0.2 (zero point two) point if Qualis CAPES C.

b) **Article submitted for publication in an indexed journal** (It is necessary to present a digital proof of submission and a digital copy of the first page of the work and proof of association with the supervisor/co-supervisor):

- 0.3 (zero point three) point. Limited to 2 (two) articles.

c) **Publication in conference annals** (It is necessary to present a digital proof of submission and a digital copy of the first page of the work and proof of association with the supervisor/co-supervisor):

- 0.2 (zero point two) point for full papers (at least two pages). Abstracts will be disregarded.

d) **Presentations in conferences** (It is necessary to provide the digitized copy presentation certificate):

- Conferences: presented by the candidate: 0.30 (zero point three) for each oral presentation; 0.10 (zero point one) point for each poster presentation;
- Co-authorships of presented works will be disregarded;
- Maximum of 1.2 (one point two) points for this item.

e) **Organization of scientific conference** (It is necessary to provide a digitized certificate): Member of local organizing committee or scientific organizing committee: 0.15 (zero point fifteen) points.

- Maximum of 0.6 (zero point six) points for this item.

f) **Undergraduate research project** (It is necessary to present a digitized certificate):

- 0.25 (zero point two five) point per semester;
- 0.1 (zero point one) point per semester of Tutorial Education Project (PET) and Undergraduate Teaching Project (PIBID);
- Maximum of 1.0 (one point zero) point for this item.

4.7. For scientific articles, the Qualis CAPES assignments for the most recent Astronomy and Physics area of the last two CAPES evaluations will be considered. In case there is no classification in the area of Astronomy and Physics, classification in related areas will be considered.

4.8. Articles submitted to indexed journals, which have not yet received a decision letter, will only be considered if the submission occurred within 12 months prior to the deadline for registration in the selection process and which are co-authored by the student's supervisor. Rejected manuscripts will be disregarded.

4.9. Presentations in conferences will be computed as poster presentations unless the form of oral presentation is explicitly stated in the certificate.

4.10. Information posted in the curriculum whose supporting documents are missing when submitting the application, will be disregarded during the analysis of the curriculum, as well as documents which cannot be clearly attributed to the candidate.

4.11. The maximum total score of the N2 grade will be 4.0 (four point zero) points.

## **5. AFFIRMATIVE ACTIONS POLICY**

5.1. According to Normative Resolution No. 145/2020/CUN, of October 27, 2020, which provides for the policy of affirmative actions for blacks (blacks and browns), indigenous people, people with disabilities and other categories of social vulnerability in the graduate courses *lato sensu* and *stricto sensu* at the Federal University of Santa Catarina, at least 28% (twenty-eight percent) of the scholarships available annually will be reserved for the implementation of this policy.

5.2. Fractions will always be rounded up to the next whole number when computing the number of places reserved for affirmative action.

5.3. If the number of scholarships granted by the funding agencies does not meet the proportion established in 5.1, the remaining fraction will be carried over to the next selection process of the current year.

5.4. The candidate must, when filling out the online registration form, tick the specific field for the affirmative action policy, choosing only one of the following categories:

- a) Blacks (Black and Brown);
- b) Indigenous people;
- c) People with disabilities;
- d) Quilombolas;
- e) Beneficiaries of the University for All Program (PROUNI) of the federal government, or beneficiaries of a scholarship aimed at undergraduate students from the public universities in a situation of socioeconomic vulnerability.

5.5. The candidate must send, through the online registration form, in addition to the documents listed in item 3.2 of this notice, the following document (s), according to the option chosen in item 5.4:

**5.5.1. Scholarships for blacks and browns:**

- a) Self-declaration that he/she is black or brown, according to the color or race item used by the Brazilian Institute of Geography and Statistics – IBGE for candidates opting for vacancies for blacks (blacks and browns), Annex 2.

The validation of the self-declaration of black or brown will be made by the selection committee or Committee for Heteroidentification of Phenotype, which may rely on the assistance of the Secretariat of Affirmative Diversity Actions - SAAD, with the following criteria: self-declared blacks or browns must have phenotypic aspects that characterize them as belonging to the black racial group. According to the Federal Supreme Court, in the vote on the constitutionality of the Action for Noncompliance with Fundamental Precept nº 186, the criterion is the phenotype and not ancestry.

**5.5.2. Scholarships for indigenous people:**

- a) Self-declaration that he/she is indigenous, to which ethnicity he/she belongs, the name and municipality of the village and the state of the Federation, contained in Annex 3;
- b) Copy of the Administrative Record of Birth of Indigenous People (RANI) or declaration of belonging issued by the indigenous people, recognized by FUNAI, signed by an indigenous leader recognized to represent the candidate;

The validation of the indigenous self-declaration will be confirmed by the selection committee, which may rely on the assistance of the Secretariat for Affirmative Diversity Actions – SAAD.

### **5.5.3. Scholarships for quilombolas:**

- a) Self-declaration that he/she is quilombola, name of the quilombola community, municipality and state of the federation, contained in Annex 4;
- b) Document proving residence/belonging to the remaining quilombo communities, signed by a member of the Quilombola Association board recognized by Fundação Palmares.

The quilombola's self-declaration will be validated by the selection committee, which may rely on the assistance of the Secretariat for Affirmative Diversity Actions – SAAD.

### **5.5.4. Scholarships for people with disabilities:**

- a) Medical report, made no later than twelve months prior to inscription in this selection process, which must be signed by a specialist physician in the candidate's disability area, containing, in the clinical description, the degree or level of disability, with express reference to the corresponding code of the International Classification of Diseases - ICD and description of the impact of the disability on functionality. It must also contain the legible name, stamp, signature and license number of the doctor who provided the certificate.
- b) Candidates with Hearing Impairment (Deafness), in addition to the medical report, must be presented: audiometry (tonal and vocal) and immittance testing, the following exams performed in the twelve months prior to inscription in this selection process, in which the legible name, stamp, signature and license number of the professional who performed the exam.
- c) Visually Impaired Candidates, in addition to the medical report, an ophthalmological report stating visual acuity must be presented, performed no earlier than twelve months prior to application to this selection process, as well as the readable name, stamp, signature and license number of the professional who performed the exam.

The documentation of candidates classified for the vacancy of a person with disabilities will be made by the selection committee, which may rely on the assistance of the Secretariat for Affirmative Diversity Actions – SAAD. The committee may, if necessary, request candidates to provide additional documentation and/or undergo a face-to-face interview.

### **5.5.5. Scholarships for PROUNI beneficiaries or scholarship beneficiaries for undergraduate students from the public university education system in a situation of socioeconomic vulnerability:**

- a) Proof of having been a beneficiary of the University for All Program (PROUNI) of the federal government or beneficiary of a scholarship aimed at undergraduate students from the public education system in a situation of socioeconomic vulnerability.

5.6. The results of the Black, Brown and Black Self-Declaration Validation Committee of candidates opting for Affirmative Actions may be published after the final result of the selection process has been released.

5.7. The results of the Black, Brown and Black Self-Declaration Validation Committee of candidates opting for Affirmative Actions, may be appealed under the terms defined by this committee.

## **6. RESULTS RELEASE**

6.1 The candidate shall have the right to appeal against the approval of the applications and the publication of the ranking list.

## **7. APPEALS**

7.1. Applicants will be guaranteed the right to appeal the application approval decision and the released ranking list.

7.2. The appeal must be substantiated, consistent and following a logical argument.

7.3. The appeal must be addressed to the Selection Committee, and submitted via e-mail to: [ppgfsc@contato.ufsc.br](mailto:ppgfsc@contato.ufsc.br).

7.4. No late appeals will be accepted. No fax, mail and/or similar appeals will be accepted.

## **8. THE SELECTION RANKING**

8.1. The final ranking list will follow the descending order of the grades obtained by each applicant.

8.2. In the event of a tie, the tiebreaker will be decided by the analysis of the applicants' academic records.

8.3. The candidate will be approved in the selection process if the final score (NF) is equal to or higher than 6.0 (six point zero).

8.4. The candidate approved in the selection process may enroll as a regular student of the program, even if he/she is not contemplated with a scholarship.



8.5. The candidate approved in the selection process, who at the time of registration has opted for the policy of affirmative actions, will have his name listed in the general classification list containing the information of this adhesion.

## **9. PERIOD OF VALIDITY OF THE SELECTION PROCESS**

9.1. The results of this selection process will be effective from the date of results release until the date of the next semester's selection process.

## **10. GENERAL PROVISIONS**

10.1. The approval in the selection process ensures to the applicant only the expectation of the right to admission into the PPGFSC/UFSC, being this admission, as well as the granting of scholarships, subject to the fulfillment of the relevant legal provisions, the strict ranking order, the scholarship committee's decision as recorded in its meeting minutes, and the term of this selection process.

10.2. The invitation for admission to the PPGFSC/UFSC doctoral program will be sent via e-mail to the applicant, to the e-mail address provided by the applicant in the online application form.

10.3. Failure to send all the requested documents will exclude the applicant from the selection process.

10.4. Applicants will not be provided with any proof of qualification in the selection process, instead the final results released on the PPGFSC/UFSC website and notice board will serve this purpose.

10.5. A student's application or admission may be canceled at any time if any statement is found to be false and/or any irregularity is detected in the supporting documents submitted with the application.

10.6. Submitting an application implies understanding and tacit acceptance of all the conditions established in this call and in other regulatory notices pertaining to this selection process, of which the applicant cannot claim ignorance.

10.7. The PPGFSC office will contact all the approved applicants, through the e-mail address provided in the application form, to inform about the pre-registration procedures. The pre-registration period is from February 1, 2022 to February 18, 2022. If an applicant decides not to enter the PPGFSC, he or she shall send an e-mail to [ppgfsc@contato.ufsc.br](mailto:ppgfsc@contato.ufsc.br) informing the withdrawal.

10.8. The applicant who is granted a scholarship and does not pre-register at the PPGFSC office within the pre-registration period will have the scholarship canceled and the next applicant in the ranking list will be contacted.

10.9. After admission to the doctoral program, the student who opted for the “doctoral admission with prior master’s degree” must present, within five business days after the pre-registration period, a proof of master’s degree completion or a statement indicating that the master’s defense will take place within thirty days of the pre-registration period in PPGFSC/UFSC defined in the item 10.7 of this document.

10.10. After admission to the doctoral program, the student who opted for the “direct doctoral admission” must provide, within five business days after the pre-registration period, a copy of the undergraduate diploma, or proof of degree conferral, or a statement indicating that the degree will be conferred within thirty days of after the beginning of the 1st semester of 2022, as defined in the UFSC academic calendar for Graduate Programs.

10.11. Failure in presenting at least one of the documents listed in items 10.9 or 10.10, within the stipulated period, will result in the disqualification of the applicant.

10.12. The PPGFSC/UFSC will release, whenever necessary, calls, complementary rules and official notices about the admission process.

10.13. Situations not covered in this call will be referred to the PPGFSC/UFSC Selection Committee.

Florianópolis, November 1, 2021.

PAULO HENRIQUE SOUTO RIBEIRO  
Graduate Program in Physics Coordinator

**ANNEX I - Quantitative list of bibliographic production for curriculum analysis, duly completed**

Productions listed in letters a, b, c and d of item 4.6 of the Call for Applications		
Description		Quantity*
Article published/accepted in an indexed scientific journal	Qualis CAPES A1 and A2	
	Qualis CAPES B1 and B2	
	Qualis CAPES B3 - B5	
	Qualis CAPES C	
Paper submitted for publication in an indexed journal		
Publication in conference annals		
Presentation in conferences <b>(presented by the candidate)</b>	Oral presentation	
	Poster presentation	
Scientific conference organization		
Undergraduate research project (number of months)		

**\* In the field "Quantity" enter the number of items of this production listed in your curriculum or the number of months for the undergraduate research project.**

**ANNEX 2 - SELF-DECLARATION OF BLACK OR BROWN CANDIDATE**

Having made my registration in the Public Notice nr. 5/2021/PPGFSC, in the terms of Law 12.711 / 2012, Presidential Decree nº 7824/2012 and Normative Ordinance nº 18/2012 / MEC for one of the vacancies destined to the actions policies ethnic-racial statements:

- 1.  I declare for the specific purpose of meeting the requirement registered in the Selection Process, that I am black and have phenotypic aspects that characterize me as belonging to the black racial group.
  
- 2.  I declare for the specific purpose of meeting the requirement registered in the Selection Process, that I am brown and have phenotypic aspects that characterize me as belonging to the black racial group.
  
- 3.  I further declare that I am aware of the penalties of the law to which I am subject if I falsify this declaration, especially the consequences related to art. 9 of Ordinance 18/2012-MEC and the announcement of this selection process.

Florianópolis, \_\_\_\_\_, 2021.

Name of Candidate: \_\_\_\_\_

Signature: \_\_\_\_\_

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**DECISION OF THE SELF-DECLARATION VALIDATION COMMITTEE OF BLACK OR BROWN CANDIDATES**

The Commission, after evaluating the candidate:

YES. Validates this self-declaration.

DOES NOT validate this self-declaration and does NOT qualify the candidate for the continuity of the selection process for affirmative actions.

Florianópolis, \_\_\_\_\_, 2021.

Commission signature: \_\_\_\_\_

### ANNEX 3 - SELF-DECLARATION OF INDIGENOUS CANDIDATE (A)

1.  I declare for the specific purpose of attending the Selection Process of the Postgraduate Program in Physics (Public Notice nr 5/2021/PPGFSC) that I am INDIGENOUS.

2. I declare for the specific purpose of attending the Selection Process of the Postgraduate Program in Physics, that I belong to the following Indigenous Ethnicity:

Ethnicity Name: \_\_\_\_\_

3. I declare for the specific purpose of attending the Selection Process of the Postgraduate Program in Physics, that I come from the following Indigenous Village:

Village Name: \_\_\_\_\_

Municipality and State of the Federation: \_\_\_\_\_

2. I further declare that I am aware of the penalties of the law to which I am subject if I falsify this declaration.

Florianópolis, \_\_\_\_\_, 2021.

Name of Candidate: \_\_\_\_\_

Signature: \_\_\_\_\_

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#### DECISION OF THE COMMITTEE ON VALIDATION OF SELF-DECLARATION OF INDIGENOUS CANDIDATES

The Commission, after evaluating the candidate:

YES. Validates this self-declaration.

DOES NOT validate this self-declaration and does NOT qualify the candidate for the continuity of the selection process for affirmative actions.

Florianópolis, \_\_\_\_\_, 2021.

Commission signature: \_\_\_\_\_

#### ANNEX 4 – QUILOMBOLA CANDIDATE SELF-DECLARATION

1.  I declare for the specific purpose of attending the Selection Process of the Selection Process of the Postgraduate Program in Physics (Public Notice nr. 5/2021/PPGFSC) that I am QUILOMBOLA.

2. I declare for the specific purpose of meeting the PPGSC / 2020 Selection Process, that I am from the following Quilombola Community:

Community Name: \_\_\_\_\_

Municipality and State of the Federation: \_\_\_\_\_

3. I further declare that I am aware of the penalties of the law to which I am subject if I falsify this declaration.

Florianópolis, \_\_\_\_\_, 2021.

Name of Candidate: \_\_\_\_\_

Signature: \_\_\_\_\_

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#### DECISION OF THE QUILOMBOLA CANDIDATE (AS) SELF-DECLARATION VALIDATION COMMITTEE

The Commission, after evaluating the candidate:

YES. Validates this self-declaration.

DOES NOT validate this self-declaration and does NOT qualify the candidate for the continuity of the selection process for affirmative actions.

Florianópolis, \_\_\_\_\_, 2021.

Commission signature: \_\_\_\_\_