



Area dei Servizi Istituzionali  
Settore Servizi agli studenti e alla didattica  
Ufficio Dottorati di ricerca

ATTACHMENT 7

LAST REVISED 21/05/2019

**DOCTORAL PROGRAMME in  
NANOTECHNOLOGY  
ADMISSION INFORMATION**

[Overview](#)

**Disclaimer:** this is only an overview including the main deadlines and a checklist of items to be submitted. Exhaustive information on how to apply for admission is published in the [Notice of Competition](#).

REQUIREMENT	DEADLINE
online application and upload of documents	<b>17 June 2019 1:00 p.m. (Italian time)</b>
payment of the admission exam fee	<b>17 June 2019</b>
for Italian degrees: deadline for graduation	<b>31 October 2019</b>
for foreign degrees	<b>1 October 2019</b>
submission of foreign degree diploma/certificate (if available by 17 <sup>th</sup> June, please upload it; beyond that date, please email to <a href="mailto:dottorati@amm.units.it">dottorati@amm.units.it</a> )	<b>within 10 days of graduation (and in any event not later than 11 October 2019)</b>

<b>Documents to be uploaded(*)</b> NOTE: failure to submit the mandatory documents will result in the exclusion of the candidate	Mandatory / Optional
<b>1. proof of identity</b>	<b>mandatory</b>
<b>2. curriculum vitae et studiorum</b>	<b>mandatory</b>
<b>3. university qualifications:</b> <ul style="list-style-type: none"> <li>a for graduates or near-graduates in Italy: self-certification of the examinations and relevant scores of second-cycle degree (<i>Laurea magistrale</i> or <i>specialistica</i>) or single-cycle degree (<i>Laurea</i>, delivered prior to the reformed university system). Only for graduates: self-certification of the degree final mark. <a href="#">Self-certification</a> can be drafted using the form available online, or using the online services of the issuing University, where applicable.</li> <li>b for graduates from abroad: Master diploma/certificate or equivalent qualification giving access to the Doctoral Programme + Transcript of Records including examinations and scores obtained. Where applicable, a Diploma Supplement can be submitted instead of the Transcript. The academic qualification must be comparable by duration and level (and, where applicable, by subject area) with the Italian degree giving access to the Doctoral Programme and allow access to the PhD in the</li> </ul>	<b>mandatory</b>

<p>issuing country.</p> <p>c. for near-graduates from abroad: Transcript of Records including examinations and scores obtained in the academic Programme (Master or equivalent). The Transcript must indicate the name of the qualification to be awarded which must be comparable by duration and level (and, where applicable, by subject area) with the required Italian degree and allow access to the PhD in the issuing country.</p> <p><b>Please note</b> that if all documents as described in points b. and c. are issued in a language other than English or Italian, a translation must be included, along with the original document.</p>	
<p><b>4. university qualifications (Bachelor level):</b> Note: please upload these items through the section called "Management of qualifications and documents for the evaluation".</p> <p>a. for graduates in Italy: self-certification of the examinations and relevant scores of first-cycle degree, where applicable; <a href="#">Self-certification</a> can be drafted using the form available online, or using the online services of the issuing University, where applicable.</p> <p>b. for graduates from abroad: Bachelor diploma/certificate or equivalent first-cycle qualification (if applicable) + Transcript of Records including examinations and scores obtained. Where available, a Diploma Supplement can be submitted instead of the Transcript.</p> <p><b>Please note</b> that if documents as described in point b. are issued in a language other than English or Italian, a translation must be included, along with the original document.</p>	optional
<p>5. for graduates and near-graduates: <b>abstract of the degree thesis</b> (i.e. Master degree or comparable qualification) to be drawn up according to the template "<a href="#">Thesis Abstract form</a>" available online.</p>	mandatory
<p>6. <b>statement of purpose</b></p>	mandatory
<p>7. <b>max two letters of reference / recommendation</b> from lecturers / researchers to be sent directly by the referees to the email account <a href="mailto:dottorato.nanotecnologie@units.it">dottorato.nanotecnologie@units.it</a> (subject: "Letter concerning Surname Name) <b>before 17 June 2019 1:00 p.m. (Italian time)</b></p>	optional (*) <i>exception: submission via email</i>
<p>8. <b>publications and conference presentations</b></p>	optional
<p>9. <b>Research project:</b> Candidates must submit a project in a topic of their choice based on their specific competencies which needs not be consistent with the subject that will be developed during their research. The project is required only for the purpose of assessment and will be evaluated base on originality and competence criteria. Suggestions for research projects can be found on the PhD Programme webpage: <a href="https://web.units.it/dottorato/nanotecnologie/en">https://web.units.it/dottorato/nanotecnologie/en</a> Failure to submit the project will result in the exclusion of the candidate. The project must be drafted, preferably in English, using the template available online – "<a href="#">Research Project form</a>"</p>	mandatory

Please note that if you have a degree from abroad, and you have never been enrolled at this University or other Italian university, you must also upload your Secondary Education qualification.

PLACES AND SCHOLARSHIPS AVAILABLE	
<b>without scholarship – cod (SB)</b>	<b>0</b>
	<b>11</b>
<b>with scholarship</b>	

**Note:**

- Candidates who accept a subject-specific scholarship are committed to the project topic.
- Attendance abroad that entitles to a scholarship increase - min. max. of months for each PhD student (over 3 years) are **0 - 18**

<i>Scholarships/Research grants available with indication of their code, total number and funding body</i>	M/1	1	Scholarship MIUR/University The topic must be consistent with the PhD sectors/research lines Project link: <a href="http://web.units.it/dottorato/nanotecnologie/en/noticeboard/3789">web.units.it/dottorato/nanotecnologie/en/noticeboard/3789</a>
	D/2	1	Scholarship financed by the Department of Physics funded by IOM-CNR Project title: "Study of the surface reactivity by operando XAS with Synchrotron radiation" Principal investigator: Dott. Piero Torelli - <a href="mailto:torelli@iom.cnr.it">torelli@iom.cnr.it</a> Project link: <a href="http://web.units.it/dottorato/nanotecnologie/en/noticeboard/3789">web.units.it/dottorato/nanotecnologie/en/noticeboard/3789</a> Note: number of months abroad for the purpose of scholarship increase: max 3
	MD/3	1	Scholarship MIUR/University co-financed by the Department of Physics funded by IOM-CNR Project title: "Development of semiconductor-superconductor nanosystems for applications in quantum computation" Principal investigator: Dott. Giorgio Biasiol - <a href="mailto:biasiol@iom.cnr.it">biasiol@iom.cnr.it</a> Project link: <a href="http://web.units.it/dottorato/nanotecnologie/en/noticeboard/3789">web.units.it/dottorato/nanotecnologie/en/noticeboard/3789</a> Note: number of months abroad for the purpose of scholarship increase: max 3
	MD/4	1	Scholarship MIUR/University co-financed by the Department of Physics funded by IOM-CNR Project title: "Development of cell and tissue nanoindenter for cellular screening and localization as an ultimate aid in surgery" Principal investigator: Dott. Marco Lazzarino - <a href="mailto:lazzarino@iom.cnr.it">lazzarino@iom.cnr.it</a> Project link: <a href="http://web.units.it/dottorato/nanotecnologie/en/noticeboard/3789">web.units.it/dottorato/nanotecnologie/en/noticeboard/3789</a> Note: number of months abroad for the purpose of scholarship increase: max 3
	MD/5	1	Scholarship MIUR/University co-financed by the Department of Physics funded by IOM-CNR Project title: "First principles simulations of the reactivity of metal clusters supported on oxides" Principal investigator: Dott. Simone Piccinin - <a href="mailto:piccinin@iom.cnr.it">piccinin@iom.cnr.it</a> Project link: <a href="http://web.units.it/dottorato/nanotecnologie/en/noticeboard/3789">web.units.it/dottorato/nanotecnologie/en/noticeboard/3789</a> Note: number of months abroad for the purpose of scholarship increase: max 3
	MD/6	1	Scholarship MIUR/University co-financed by the Department of Physics funded by Prof. Morgante MIUR-PRIN 2017 FERMAT n. 2017KFY7XF Project title: "2D materials at near-ambient pressure: a fundamental spectroscopic approach" Principal investigator: Prof. Erik Vesselli - <a href="mailto:evesselli@units.it">evesselli@units.it</a> Project link: <a href="http://web.units.it/dottorato/nanotecnologie/en/noticeboard/3789">web.units.it/dottorato/nanotecnologie/en/noticeboard/3789</a> Note: number of months abroad for the purpose of scholarship increase: max 3
	MD/7	1	Scholarship MIUR/University co-financed by the Department of Physics funded by A.P.E. Research S.r.l. Project title: "Tip enhanced optics: a new tool for nanopatterning and nanospectroscopy" For info on the project: <a href="mailto:infos@aperesearch.com">infos@aperesearch.com</a> Project link: <a href="http://www.aperesearch.com">www.aperesearch.com</a> Note: number of months abroad for the purpose of scholarship increase: max 3

			increase: max 3
MD/8	1	Scholarship MIUR/University co-financed by the Department of Chemical and Pharmaceutical Sciences funded by Prof Pasquato MIUR-PRIN 2017 n. 2017MYBTXC-PRIN PASQUATO-2017 Project title: "Fluorinated nanomaterials for 19F-MRI and biosensing" Principal investigator: Prof. Lucia Pasquato - <a href="mailto:lpasquato@units.it">lpasquato@units.it</a> Project link: <a href="http://web.units.it/dottorato/nanotecnologie/en/noticeboard/3789">web.units.it/dottorato/nanotecnologie/en/noticeboard/3789</a> Note: number of months abroad for the purpose of scholarship increase: max 6	
MD/9	1	Scholarship MIUR/University co-financed by the Department of Chemical and Pharmaceutical Sciences funded by University of Mons (Belgium) and Prof. Prato RESRIC-PRATO. Project title: "Nanosystem for Artificial Photosynthesis" Principal investigator: M. Prato - <a href="mailto:prato@units.it">prato@units.it</a> Project link: <a href="http://web.units.it/dottorato/nanotecnologie/en/noticeboard/3789">web.units.it/dottorato/nanotecnologie/en/noticeboard/3789</a> Note: this scholarship does not include funding for research conducted abroad, except for any supplementary funding from the pertaining department. The PhD student will attend the first 18 months at the University of Mons and the following 18 months at the University of Trieste. For the first 18 months, the scholarship will be paid by the University of Mons and the remaining 18 months will be made by the University of Trieste. To the scholarship will apply the tax scheme of the country where the University granting the scholarship is located. The PhD student will have a joint supervision by the two universities.	
MD/10	1	Scholarship MIUR/University co-financed by the Department of Life Sciences funded by Centro di Riferimento Oncologico Istituto nazionale tumori CRO - Aviano Project title "Investigation and development of selective Glypican-3 (GPC3)-targeting receptors for tumor burden monitoring in hepatocellular carcinoma patients" Fondi Progetto: Aventis Sanofi - CUP: J32I06000070007 Principal investigator: G. Toffoli - <a href="mailto:gtoffoli@cro.it">gtoffoli@cro.it</a> Project link: <a href="http://web.units.it/dottorato/nanotecnologie/en/noticeboard/3789">web.units.it/dottorato/nanotecnologie/en/noticeboard/3789</a> Note: number of months abroad for the purpose of scholarship increase: max 3	
FSE/11	1	Scholarship funded by the Region Friuli Venezia Giulia - European Social Fund – Operational Programme 2014/2020 – Axis 3. The project/research must be consistent with the objective of integration with the territory as per art. 4 of the Notice of Competition. <b>This scholarship can be allocated only after prior approval of the project draft submitted by the University to the Region FVG. The eligibility criteria are laid down in art. 4 of the Notice of Competition.</b> Note: number of months abroad for the purpose of scholarship increase: max 6	
<b>RESERVED PLACES</b>			
R/C	1	Recipients of scholarships granted by foreign countries	

## TERMS AND CONDITIONS

Academic qualification required: see Notice (art. 2 - Requirements)

“Lauree vecchio ordinamento” awarded in Italy All

“Lauree specialistiche” awarded in Italy All

“Lauree magistrali” awarded in Italy All

**Selection criteria** **Qualifications + interview**  
Maximum final score: **70** – minimum final score required for eligibility **43**

**Evaluation** Qualifications (maximum final score **20** – minimum final score required **8**):

- curriculum vitae et studiorum max **12**
- exams taken max **2**
- thesis abstract max **2**
- motivation letter max **4**
- letters of reference / recommendation max **2**
- publications/conference presentations max **2**

**Interview:** maximum score **50** – minimum score required **35**

Note: The Examination Panel may decide to adopt evaluation subcriteria.

The [admission results](#) will be published online. The admission process includes the following steps: Assessment of foreign degrees >> Assessment of other qualifications >> Interview. The merit list will be published after approval by the Rector.

<b>Examination schedule</b>	<i>Assessment of qualification</i>	<b>from 24 June 2019</b>
	<i>Interview</i>	<b>9 July 2019 at 09:00 a.m. (Italian time)</b> , University of Trieste – Department of Chemical and Pharmaceutical Sciences, Building C11 – 1 <sup>st</sup> floor – “Sala del Consiglio” - Via L. Giorgieri 1- TRIESTE The Examination Panel may decide to interview candidates on subsequent dates
	<i>Language(s) of the interview</i>	Italian/English English (for non-Italian speaking candidates)
	<i>Language(s) tested in the interview</i>	English (level of knowledge required: CEFR B2)
	<i>Videoconference interview</i>	Upon request of the candidates, the interview may be carried out by videoconference via Skype. Any candidates, who had not requested a video conference interview at the time of the application, can submit the request for video conferencing by sending an email to <a href="mailto:dottorato.nanotecnologie@units.it">dottorato.nanotecnologie@units.it</a> up to four working days before the date of the interview, stating the grounds for their request. The Videoconference interview form is available on <a href="http://www2.units.it/dott/files/VideoconfInterview.pdf">http://www2.units.it/dott/files/VideoconfInterview.pdf</a> The Examination Panel will meet on 9 July 2019. The Panel may arrange with the candidate a different time for the interview.

## SUPPLEMENTARY INFORMATION (following publication of the Notice of Competition)

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