

Science

Suomeksi

The Doctoral Programme in Science is a multidisciplinary programme with a unique combination of science, technology and business. The research done is committed to high standards of international excellence and the aim is to educate doctors in different research fields to tackle increasingly complex societal challenges in areas such as energy, environment, health and well-being. Multidisciplinary research work and collaboration within and outside Aalto University is highly valued.

The Doctoral Programme offers a four-year doctoral programme in physics, mathematics, biomedical engineering, computer science or industrial engineering and management. Doctors graduating from this programme have knowledge and master tools for demanding academic research and teaching positions and in expert, development and management positions of the information society.

Research fields and professors

The Doctoral Programme in Science comprises seven research fields, which are based on the strong research traditions of the departments. The programme is a joint effort of the Department of Neuroscience and Biomedical Engineering, Department of Mathematics and Systems Analysis, Department of Applied Physics, Department of Computer Science, and Department of Industrial Engineering and Management.

The doctoral candidate chooses a research field when applying to the programme. The professor supervising the doctoral studies is agreed upon at the same time.

Code	Name of the research field	Supervising professors (in alphabetical order)	Research groups of the field
SCI02 3Z	Neurotiede ja lääketieteellinen tekniikka Neuroscience and Biomedical Engineering Neurovetenskap och biomedicinsk teknik	Ala-Laurila, Petri Ilmoniemi, Risto Jääskeläinen, Iiro Koskelainen, Ari Kuzyk, Anton Nieminen, Helkki J. Palva, Matias Parkkonen, Lauri Salmelin, Riitta Sams, Mikko	Research groups: http://nbe.aalto.fi/en/groups/
SCI00 6Z	Matematiikka ja tilastotiede Mathematics and Statistics Matematik och statistik (as of 1.8.2020)	Brzuska, Chris Engström, Alexander Hannukainen, Antti Hollanti, Camilla Hyvönen, Nuutti Ilmonen, Pauliina Kinnunen, Juha Korte, Riikka Kubjas, Kaie Kytölä, Kalle Leskelä, Lasse Michaek, Mateusz Noferini, Vanni Stenberg, Rolf	Research groups: https://math.aalto.fi/en/research/
F017Z	Systemi- ja operaatiotutkimus Systems and Operations Research System- och operationsanalys	Ehtamo, Harri Oliveira, Fabricio Salo, Ahti	Systems Analysis Laboratory: http://sal.aalto.fi/en/
SCI01 9Z	Teknillinen fysiikka Engineering Physics Teknisk fysik	Alava, Mikko Ala-Nissilä, Tapio van Dijken, Sebastiaan Flindt, Christian Foster, Adam Groth, Mathias Hakonen, Pertti Ikkala, Olli Kaivoja, Matti Kauppinen, Esko Lado, Jose Liljeroth, Peter Lund, Peter Pekola, Jukka Ras, Robin Rinke, Patrick Ruokolainen, Janne Sillanpää, Mika Timonen, Jaakko Tuomisto, Filip Törmä, Päivi	Research groups: http://physics.aalto.fi/en/groups/

SCI02 0Z	Tietotekniikka Computer Science Datateknik	Aura, Tuomas Babbar, Rohit Brzuska, Chris Chalermsook, Parinya Di Francesco, Mario Hyvönen, Eero Hämäläinen, Perttu Jung, Alexander Kannala, Juho Kaski, Petteri Kaski, Samuel Kivelä, Mikko Käpylä, Maarit Lampinen, Jouko Lassenius, Casper Lehtinen, Jaakko Lindqvist, Janne Lähdesmäki, Harri Malmi, Lauri Mannila, Heikki Marttinen, Pekka Mekler, Elisa Niemelä, Ilkka Nieminen, Marko Orponen, Pekka Rintanen, Jussi Rousu, Juho Saramäki, Jari Savioja, Lauri Solin, Arno Suomela, Jukka Takala, Tapio Truong, Hong-Linh Uitto, Jara Vehtari, Aki Vuorimaa, Petri Ylä-Jääski, Antti	Research groups: https://www.aalto.fi/department-of-computer-science/research-groups
SCI02 2Z	Tuotantotalous Industrial Engineering and Management Produktionsekonomi	Artto, Karlos Biniari, Marina Gustafsson, Robin Holmström, Jan Jääskeläinen, Mikko Lillrank, Paul Luoma, Jukka Maula, Markku Rajala, Risto Saarinen, Esa Saarinen, Lauri Schildt, Henri Schmidt, Jens Tanskanen, Kari Vuori, Natalia Vuori, Timo	https://www.aalto.fi/department-of-industrial-engineering-and-management/research-groups

Current

Summer break of the Doctoral Programme Committee 27 June - 9 August

Student Services of the Doctoral Programme in Science are working remotely

Organizing public defenses during exceptional circumstances (requires Aalto login)

Best doctoral dissertations of year 2019 have been awarded

News

[Adobe provides CC applications licenses with special price for Aalto students | Adobe tarjoaa edullisesti CC-sovellusten lisenssejä Aallon opiskelijoille](#)

06.07.2020

[Opetus ja opiskelu kampuksella syksyllä | Undervisning och studier på campus hösten | Teaching and studying on campus in autumn 2020](#)

24.06.2020

[Intossa käyttökatko | Serviceavbrott i Into | Maintenance break on Into 9.6.2020](#)

05.06.2020

[Learning Hub Atriumin kirjat ja lehdet muuttavat Oppimiskeskukseen | Bok- och tidskriftssamlingen i Learning Hub Atrium flyttar till Lärcentret | Learning Hub Atrium library collection moves to Learning Centre](#)

04.06.2020

[Oppimiskeskuksen verkkosivuosoitte vaihtuu | Lärcentrets webbadress ändras | New web page address for Learning Centre](#)

03.06.2020

[Tulostuspalveluissa katko keskiviikkona 10.6.2020 | Break in printing services on Wednesday, 10 June](#)

02.06.2020

[MyCourses maintenance break | käyttökatko | serviceavbrott 15.6.2020](#)

26.05.2020

[Mindfulness-tuokio tiistaisin Zoomissa, alkaen 14.4.2020](#)

07.04.2020

[Summer course TU-EV Connector](#)

22.05.2020

[Opiskelijoiden ohje kampuksen käyttöön | Vistelse på campus: anvisningar för studerande | Instructions on campus use for students](#)

20.05.2020

RSS 

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