

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

Code	Name of the research field in three languages	Supervising professors (in alphabetical order)	Research groups of the field
SCI02 3Z	Neurotiede ja lääketieteellinen tekniikka Neurovetenskap och biomedicinsk teknik Neuroscience and biomedical engineering	Ala-Laurila, Petri Ilmoniemi, Risto Jääskeläinen, Iiro Koskelainen, Ari Kuzyk, Anton Nieminen, Heikki J. Palva, Matias Parkkonen, Lauri Salmelin, Riitta Sams, Mikko	Research groups: http://nbe.aalto.fi/en/groups/
F006Z	Matematiikka Mathematics Matematik	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	Research groups: https://math.aalto.fi/en/research/
F017Z	Systeemi- ja operaatiotutkimus Systems and Operations Research System- och operationsanalys	Ehtamo, Harri Oliveira, Fabricio Salo, Ahti	Systems Analysis Laboratory: http://sal.aalto.fi/en/
F008Z	Mekaniikka Theoretical and Applied Mechanics Mekanik	Stenberg, Rolf	Mechanics: https://math.aalto.fi/en/research/applied/mechanics/
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 Kaivola, Matti Kauppinen, Esko Lado, Jose Liljeroth, Peter Lund, Peter Pekola, Jukka Puska, Martti 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 Gionis, Aristides Hyvönen, Eero Hämäläinen, Perttu Jung, Alexander Kannala, Juho Kaski, Petteri Kaski, Samuel Kivelä, Mikko Lampinen, Jouko Lassenius, Casper Lehtinen, Jaakko Lokki, Tapio Lähdesmäki, Harri Malmi, Lauri Mannila, Heikki Marttinen, Pekka Mekler, Elisa Mäntylä, Martti 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 Järvenpää, Eila Jääskeläinen, Mikko Kauranen, Ilkka Lillrank, Paul Luoma, Jukka Maula, Markku Rajala, Risto Saarinen, Esa Saarinen, Lauri Schildt, Henri Schmidt, Jens Smeds, Riitta Tanskanen, Kari Vuori, Natalia Vuori, Timo	https://www.aalto.fi/department-of-industrial-engineering-and-management/research-groups

Current

[Newsletter for doctoral candidates at the School of Science, September 2019](#)

[Changes in the personnel of the Student Services of the Doctoral Programme in Science as of 1 August 2019](#)

News

[Kieliopintoja Aallon opiskelijoille muissa korkeakouluissa / Language and communication studies for Aalto students in other universities](#)

12.11.2019

[Ehdota tietotekniikan vuoden opettajaa 2019 | Nominate the teacher of the year 2019 in Computer Science](#)

07.11.2019

Booking.aalto.fi -palvelussa katko päivityksen vuoksi ma 11.11. klo 10-18 | Booking.aalto.fi unavailable due to service break on Monday, 11.11. between 10 am and 6 pm
04.11.2019

ECAR 2019 Student Study -kyselyn tulokset | Resultaten från ECAR student undersökning | Results of the ECAR Student Study Survey
30.10.2019

Yrittäjyyskursseja Aallon opiskelijoille | Entreprenörskapkurser för Aalto studerande | Entrepreneurship courses for Aalto students
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