

**Academy of Finland
funding statistics on
September 2021 call**



ACADEMY OF FINLAND

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Introduction

- This statistics document describes the funding statistics on the applications submitted to and the researchers and projects funded in the Academy of Finland's September 2021 call. The funding instruments include Postdoctoral Researchers, Academy Research Fellows, Academy Projects and Clinical Researchers.
- A few applications that were not processed or reviewed are excluded from the application numbers.
- Each table and figure is briefly described in chapters 1–8. The tables and figures are presented in chapter 9.
- In most of the tables, the results of the September 2021 call are compared to the previous two calls in 2020 and 2018. In the tables, however, the years 2020–2022 refer to the years when the funding decisions were made. The calls were opened in the previous year.
- The total number of funded researchers and projects in 2022 may eventually slightly increase if research councils have funding left over from other calls and decide to fund Postdoctoral Researchers, Academy Research Fellows, Academy Projects or Clinical Researchers from the reserve list.
- More information about the funding statistics is available from the Division of Strategic Planning and Analysis at the Academy of Finland.
- The funding statistics on the September 2021 call were published in August 2022.
- The material is available on the [Academy of Finland's website](#).

1. Applications and funded projects by funding instrument and research council

- Tables 1.1–1.3 describe the number of applications, the number of funded researchers/projects and the success rate by research council (Biosciences, Health and the Environment; Culture and Society; Natural Sciences and Engineering) and funding instrument (Postdoctoral Researchers; Academy Research Fellows; Academy Projects) in 2020–2022.
- In 2022, the research councils granted funding to 105 Postdoctoral Researchers (success rate 14%), 70 Academy Research Fellows (success rate 12%), and 184 Academy Projects with a total of 251 subprojects. The

success rate for the Academy Projects was 15% (consortium subprojects have been counted as separate projects).

2. Applications and funded projects by organisation

- Table 2 describes the number of applications, the number of funded projects and the success rate by organisation in 2020–2022. The data include Postdoctoral Researchers, Academy Research Fellows, Academy Projects and Clinical Researchers. In the data for Academy Projects, consortium subprojects have been counted as separate projects.
- In the September 2021 call, the Academy of Finland received a total of 3,056 applications and the average success rate was 14%.

3. Applications and funded projects by disciplinary group

- Table 3 describes the number of applications, the number of funded projects and the success rate by disciplinary group in 2020–2022. The data include Postdoctoral Researchers, Academy Research Fellows, Academy Projects and Clinical Researchers. In the data for Academy Projects, consortium subprojects have been counted as separate projects.
- The disciplinary groups are based on the primary research field of the applications (see Appendix table for the detailed classification).
- In the September 2021 call, the Academy of Finland received a total of 3,056 applications and the average success rate was 14%.

4. Applications and funded projects by funding instrument and gender of applicant

- Table 4 describes the proportion of women among applicants (applications) and funded researchers or projects by funding instrument in 2020–2022. The totals include data in the following gender categories: female, male, other/prefer not to answer. In the data for Academy Projects, consortium subprojects have been counted as separate projects.
- For Postdoctoral Researchers in 2022, women accounted for 45% of applicants and 41% of funding recipients.
- For Academy Research Fellows in 2022, women accounted for 42% of applicants and 41% of funding recipients.

- For Academy Projects in 2022, women accounted for 35% of the applications and 39% of the funded projects.

5. Applications and funded projects by funding instrument and nationality of applicant

- Table 5.1 describes the proportion of applications and funded Postdoctoral Researchers by nationality in 2020–2022. In 2022, foreign nationals accounted for 49% of applicants and 50% of funding recipients.
- Table 5.2 describes the proportion of applications and funded Academy Research Fellows by nationality in 2020–2022. In 2022, foreign nationals accounted for 43% of applicants and 37% of funding recipients.
- Table 5.3 describes the proportion of applications and funded Academy Projects by nationality in 2020–2022. In 2022, foreign nationals accounted for 17% of both applications and funded projects. In the data, consortium subprojects have been counted as separate projects. The table does not include applications that lacked the nationality of the applicant.

6. Rating distribution by funding instrument

- Tables 6.1–6.3 describe the distribution of final ratings of applications (%) in the September 2021 call by funding instrument. The funding decisions were made in 2022.
- The number of Academy Project applications reflects the total number of reviewed projects, not subprojects.
- Review panels gave applications an overall rating based on a scale of 1–3, 4, 5 or 6. A few applications were reviewed by several panels or independent experts. In the data, these applications have been counted based on the highest rating received.

7. Academy Projects: Average funding per project by organisation

- Table 7 describes the number of funded projects, total funding and the average funding per funded Academy Project by organisation in 2020–2022. Consortium subprojects have been counted as separate projects. Academy Project funding is typically granted for four years.
- Around 2 million euros is missing from the total funding for 2020, as the data does not include changes to the original funding decisions. If, for

example, the site of research has been changed, the project and its funding is only reported according to the original site of research.

- In the 2022 funding decisions, the average funding granted per project was around 416,000 euros.

8. Reviewers by country of their organisation

- Table 8 and figure 1 describe the number of reviewers by country. Country refers to the country of the reviewer's home organisation.
- A total of 654 reviewers from 33 countries participated in the review of applications submitted to the September 2021 call. Women accounted for 37% of reviewers (36% in the 2020 call and 31% in the 2019 call).
- The total number of reviewers comprises 592 panel members and 62 independent experts. The number of individual experts also comprises those who provided a review report to support a panel. Reviewers with multiple roles have been counted only once.
- Some of the 65 panels also reviewed applications that had been submitted to other calls than the ones included in the funding statistics on the September 2021 call.
- In the September 2021 call, the five most typical countries where the reviewers worked were the United Kingdom, Germany, Sweden, the Netherlands, and Denmark.

9. Tables and figures

Table 1.1. Postdoctoral Researchers: Applications, funded researchers and success rate by research council in 2020–2022.

Source: Academy of Finland.

Research Council	Applications in 2020	Applications in 2021	Applications in 2022	Funded researchers in 2020	Funded researchers in 2021	Funded researchers in 2022	Success rate in 2020	Success rate in 2021	Success rate in 2022
Biosciences, Health and the Environment	208	225	217	35	33	31	17%	15%	14%
Culture and Society	237	267	233	31	31	30	13%	12%	13%
Natural Sciences and Engineering	280	312	282	44	44	44	16%	14%	16%
Total	725	804	732	110	108	105	15%	13%	14%

Table 1.2. Academy Research Fellows: Applications, funded researchers and success rate by research council in 2020–2022.
Source: Academy of Finland.

Research Council	Applications in 2020	Applications in 2021	Applications in 2022	Funded researchers in 2020	Funded researchers in 2021	Funded researchers in 2022	Success rate in 2020	Success rate in 2021	Success rate in 2022
Biosciences, Health and the Environment	167	176	176	24	24	23	14%	14%	13%
Culture and Society	171	188	197	21	22	25	12%	12%	13%
Natural Sciences and Engineering	205	233	228	22	22	22	11%	9%	10%
Total	543	597	601	67	68	70	12%	11%	12%

Table 1.3. Academy Research Projects: Applications, funded projects and success rate by research council in 2020–2022.
Consortium subprojects have been counted as separate projects. Source: Academy of Finland.

Research Council	Applications in 2020	Applications in 2021	Applications in 2022	Funded projects in 2020	Funded projects in 2021	Funded projects in 2022	Success rate in 2020	Success rate in 2021	Success rate in 2022
Biosciences, Health and the Environment	479	510	541	90	94	92	19%	18%	17%
Culture and Society	536	531	514	75	73	66	14%	14%	13%
Natural Sciences and Engineering	689	706	631	103	103	93	15%	15%	15%
Total	1,704	1,747	1,686	268	270	251	16%	15%	15%

Table 2. Applications, funded projects and success rate by organisation in 2020–2022. The table only includes organisations with at least 10 applications in 2020, 2021 or 2022. The data include Postdoctoral Researchers, Academy Research Fellows, Academy Projects and Clinical Researchers. In the data for Academy Projects, consortium subprojects have been counted as separate projects. A star (*) in the application column indicates that the organisation had less than 10 applications that year. In the funded projects or success rate column, a star (*) indicates that the organisation had less than 5 funded projects that year. The organisations are listed in alphabetical order. Source: Academy of Finland.

Organisation	Applica- tions in 2020	Applica- tions in 2021	Applica- tions in 2022	Funded projects in 2020	Funded projects in 2021	Funded projects in 2022	Success rate in 2020	Success rate in 2021	Success rate in 2022
Aalto University	349	382	344	61	51	43	17%	13%	13%
Finnish Environment Institute	30	20	25	7	5	*	23%	25%	*
Finnish Geospatial Research Institute (FGI) in the National Land Survey of Finland	13	16	19	*	*	*	*	*	*
Finnish Institute for Health and Welfare	19	19	21	*	*	*	*	*	*
Finnish Meteorological Institute	63	60	69	6	10	7	10%	17%	10%
Folkhälsan Research Center	*	10	11	*	*	5	*	*	45%
Geological Survey of Finland	10	*	10	*	*	*	*	*	*
Hanken School of Economics	10	*	14	*	*	*	*	*	*
HUS Helsinki University Hospital	25	26	35	*	6	8	*	23%	23%
Kuopio University Hospital	*	*	12	*	*	*	*	*	*
Lappeenranta-Lahti University of Technology LUT	64	73	73	5	6	10	8%	8%	14%

Organisation	Applications in 2020	Applications in 2021	Applications in 2022	Funded projects in 2020	Funded projects in 2021	Funded projects in 2022	Success rate in 2020	Success rate in 2021	Success rate in 2022
Natural Resources Institute Finland	55	56	52	10	6	10	18%	11%	19%
Tampere University	291	336	288	42	48	54	14%	14%	19%
University of Eastern Finland	227	246	264	41	32	29	18%	13%	11%
University of Helsinki	810	790	706	147	137	113	18%	17%	16%
University of Jyväskylä	216	242	238	29	37	31	13%	15%	13%
University of Lapland	24	26	19	*	*	*	*	*	*
University of Oulu	250	286	304	22	30	36	9%	10%	12%
University of the Arts Helsinki	15	13	10	*	*	*	*	*	*
University of Turku	287	313	314	42	50	44	15%	16%	14%
University of Vaasa	18	20	19	*	*	*	*	*	*
VTT Technical Research Centre of Finland Ltd.	78	65	56	14	6	13	18%	9%	23%
Åbo Akademi University	78	95	78	8	10	10	10%	11%	13%
Total (incl. organisations not listed above)	3,013	3,193	3,056	457	457	436	15%	14%	14%

Table 3. Applications, funded projects and success rate by disciplinary group in 2020–2022. The data include Postdoctoral Researchers, Academy Research Fellows, Academy Projects and Clinical Researchers. In the data for Academy Projects, consortium subprojects have been counted as separate projects. The disciplinary groups are based on the primary research field of the applications. Source: Academy of Finland.

Disciplinary group	Applica- tions in 2020	Applica- tions in 2021	Applica- tions in 2022	Funded projects in 2020	Funded projects in 2021	Funded projects in 2022	Success rate in 2020	Success rate in 2021	Success rate in 2022
Natural sciences	741	764	708	102	111	97	14%	15%	14%
Engineering	480	550	509	73	64	69	15%	12%	14%
Biosciences	377	386	357	74	73	59	20%	19%	17%
Environmental, agricultural and forest sciences	124	131	145	14	18	25	11%	14%	17%
Medical and health sciences	369	408	428	72	66	68	20%	16%	16%
Social sciences	591	646	621	73	83	82	12%	13%	13%
Humanities	322	303	281	48	40	36	15%	13%	13%
All fields (incl. applications not indicating a primary research field)	3,013	3,193	3,056	457	457	436	15%	14%	14%

Table 4. Proportion of female applicants among applications and funded researchers or projects by funding instrument in 2020–2022. The totals include data in the following gender categories: female, male, other/prefer not to answer. In the data for Academy Projects, consortium subprojects have been counted as separate projects. Source: Academy of Finland.

Funding instrument	Applications in 2020	Applications in 2021	Applications in 2022	Funded researchers in 2020	Funded researchers in 2021	Funded researchers in 2022
Postdoctoral researchers, %	49%	46%	45%	55%	46%	41%
Number of applications and funded researchers	725	804	732	110	108	105
Academy Research Fellows, %	38%	42%	42%	39%	40%	41%
Number of applications and funded researchers	543	597	601	67	68	70
Academy Projects, %	34%	34%	35%	39%	36%	39%
Number of applications and funded projects	1,704	1,747	1,686	268	270	251

Table 5.1. Postdoctoral Researchers: proportion of applications and funded researchers by applicant's nationality in 2020–2022. Source: Academy of Finland.

Nationality of applicant	Applications in 2020	Applications in 2021	Applications in 2022	Funded researchers in 2020	Funded researchers in 2021	Funded researchers in 2022
Finnish, %	53%	52%	51%	58%	59%	50%
Foreign, %	47%	48%	49%	42%	41%	50%
Number of applications and funded researchers	725	804	732	110	108	105

Table 5.2. Academy Research Fellows: proportion of applications and funded researchers by applicant's nationality in 2020–2022. Source: Academy of Finland.

Nationality of applicant	Applications in 2020	Applications in 2021	Applications in 2022	Funded researchers in 2020	Funded researchers in 2021	Funded researchers in 2022
Finnish, %	65%	62%	57%	63%	65%	63%
Foreign, %	35%	38%	43%	37%	35%	37%
Number of applications and funded researchers	543	597	601	67	68	70

Table 5.3. Academy Projects: proportion of applications and funded projects by applicant’s nationality in 2020–2022. Consortium subprojects have been counted as separate projects. Source: Academy of Finland.

Nationality of applicant	Applications in 2020	Applications in 2021	Applications in 2022	Funded projects in 2020	Funded projects in 2021	Funded projects in 2022
Finnish, %	84%	83%	83%	86%	86%	83%
Foreign, %	16%	17%	17%	14%	14%	17%
Number of applications and funded projects	1,704	1,746	1,686	268	269	251

Table 6.1. Postdoctoral Researchers: distribution of overall ratings of applications in September 2021 call by research council, %. Review panels gave applications an overall rating based on a scale of 1–3, 4, 5 or 6. The funded applications received an overall rating of 5 or 6. Source: Academy of Finland.

Research Council	Not funded 1–3	Not funded 4	Not funded 5 or 6	Funded 5 or 6	Total
Biosciences, Health and the Environment (N=217)	25%	44%	17%	14%	100%
Culture and Society (N=233)	25%	37%	25%	13%	100%
Natural Sciences and Engineering (N=282)	23%	35%	26%	16%	100%
Total (N=732)	24%	38%	23%	14%	100%

Table 6.2. Academy Research Fellows: distribution of overall ratings of applications in September 2021 call by research council, %. Review panels gave applications an overall rating based on a scale of 1–3, 4, 5 or 6. The funded applications received an overall rating of 5 or 6. Source: Academy of Finland.

Research Council	Not funded 1–3	Not funded 4	Not funded 5 or 6	Funded 5 or 6	Total
Biosciences, Health and the Environment (N=176)	22%	35%	30%	13%	100%
Culture and Society (N=197)	24%	37%	26%	13%	100%
Natural Sciences and Engineering (N=228)	18%	34%	38%	10%	100%
Total (N=601)	21%	35%	32%	12%	100%

Table 6.3. Academy Projects: distribution of overall ratings of applications in September 2021 call by research council, %. The number of Academy Project applications reflects the total number of reviewed projects, not subprojects. Review panels gave applications an overall rating based on a scale of 1–3, 4, 5 or 6. The funded applications received an overall rating of 5 or 6. Source: Academy of Finland.

Research Council	Not funded 1–3	Not funded 4	Not funded 5 or 6	Funded 5 or 6	Total
Biosciences, Health and the Environment (N=423)	18%	40%	25%	17%	100%
Culture and Society (N=396)	19%	42%	27%	12%	100%
Natural Sciences and Engineering (N=476)	14%	32%	39%	14%	100%
Total (N=1,295)	17%	38%	31%	14%	100%

Table 7. Academy Projects: number of funded projects, total funding and average funding per funded Academy Project by organisation in 2020–2022. The table only includes organisations with at least 5 funded Academy Projects in 2020, 2021 or 2022. In the data, consortium subprojects have been counted as separate projects. A star (*) indicates that the organisation had less than 5 funded projects that year. Around 2 million euros is missing from the total funding for 2020, as the data does not include changes to the original funding decisions. Academy Project funding is typically granted for four years. The organisations are listed in alphabetical order. Source: Academy of Finland.

Organisation	Funded projects in 2020	Funded projects in 2021	Funded projects in 2022	Granted funding total (MEUR) in 2020	Granted funding total (MEUR) in 2021	Granted funding total (MEUR) in 2022	Average funding per funded project (EUR) in 2020	Average funding per funded project (EUR) in 2021	Average funding per funded project (EUR) in 2022
Aalto University	36	30	23	15.5	12.8	10.1	431,567	427,873	439,187
Finnish Environment Institute	6	*	*	2.4	*	*	397,516	*	*
Finnish Meteorological Institute	*	7	6	*	2.9	2.4	*	420,113	396,553
Lappeenranta-Lahti University of Technology LUT	*	*	7	*	*	2.8	*	*	404,665
Natural Resources Institute Finland	5	*	8	2.2	*	2.7	435,442	*	333,322
Tampere University	21	26	37	8.7	12.2	14.8	412,387	469,035	399,040
University of Eastern Finland	25	21	15	10.2	8.5	6.4	407,575	406,802	425,455
University of Helsinki	81	79	59	35.3	34.2	24.7	436,132	432,714	418,454
University of Jyväskylä	14	18	17	6.4	7.5	8.0	455,913	418,943	468,484
University of Oulu	14	17	22	6.7	7.5	9.7	476,775	438,929	442,160
University of Turku	31	29	22	12.8	12.2	9.9	412,537	421,953	449,206
VTT Technical Research Centre of Finland Ltd.	12	5	10	4.8	2.4	4.1	397,454	476,781	406,300
Åbo Akademi University	*	6	5	*	2.4	2.0	*	404,559	406,588
Total (incl. organisations not listed above)	268	270	251	114.4	115.4	104.5	427,000	427,424	416,264

Table 8. Number of reviewers by country in the review of applications submitted to September 2021 call. The total number of reviewers comprises 592 panel members and 62 independent experts. Country refers to the country of the reviewers' home organisation, not to their nationality. Source: Academy of Finland.

Country of reviewer's home organisation	Number of reviewers	Proportion of reviewers
United Kingdom	179	27%
Germany	90	14%
Sweden	57	9%
Netherlands	42	6%
Denmark	38	6%
Italy	34	5%
Belgium	32	5%
France	28	4%
Norway	27	4%
Spain	25	4%
Switzerland	19	3%
Austria	16	2%
Portugal	16	2%
Estonia	8	1%
United States	8	1%
Ireland	6	1%
Other countries total (less than 5 reviewers per country)	29	4%
Total	654	100%

Number of reviewers by country in the review of applications submitted to September 2021 call

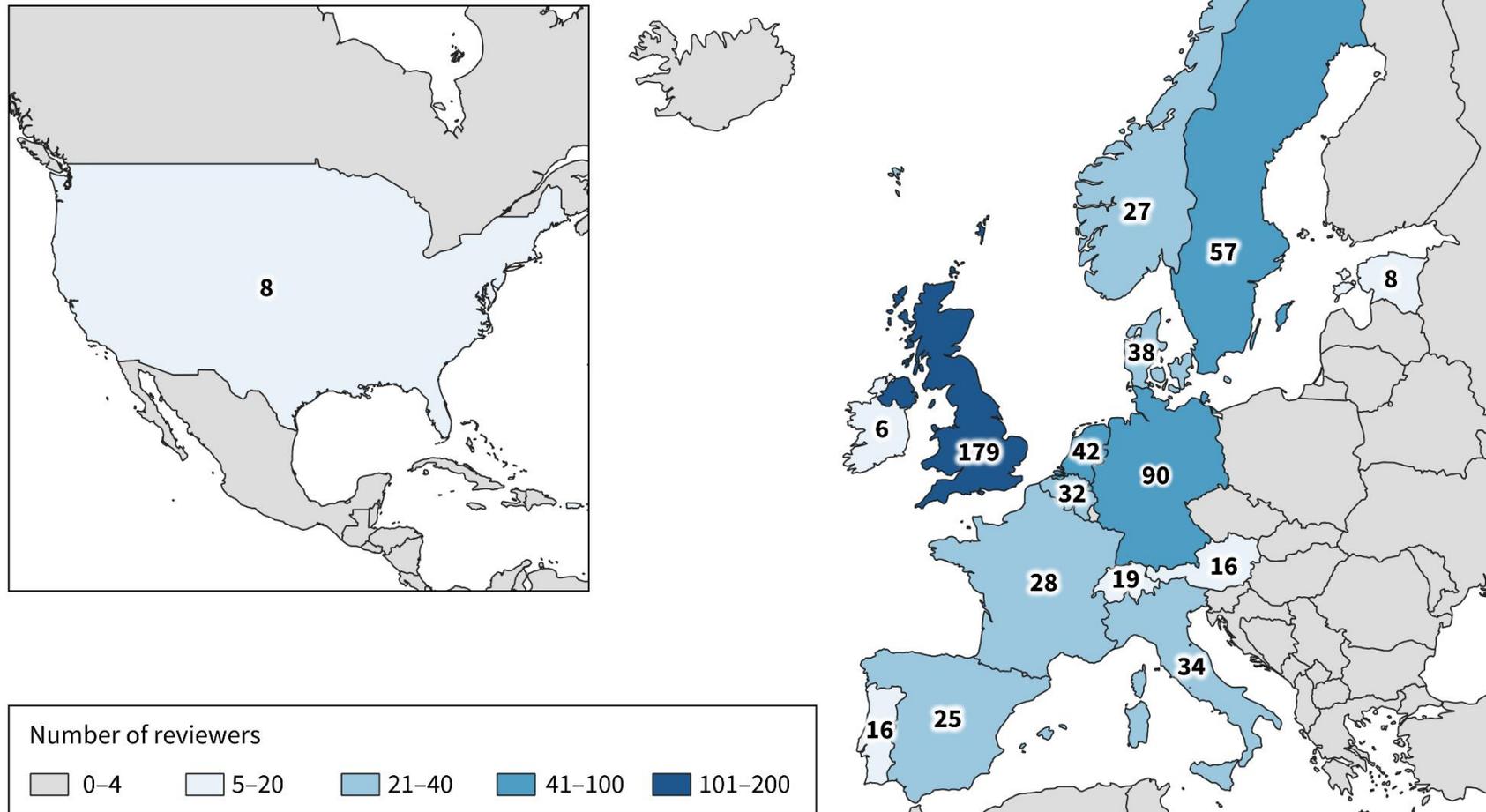


Figure 1. Number of reviewers by country in the review of applications submitted to September 2021 call. Country refers to the country of the reviewer’s home organisation, not to their nationality. The total number of reviewers comprises 592 panel members and 62 independent experts. Source: Academy of Finland.

Appendix table. Disciplinary classification

Disciplinary classification which has been used in the Academy of Finland funding statistics on September calls. Source: Academy of Finland.

Disciplinary group	No	Primary research field
Engineering	101	Architecture
Engineering	102	Food engineering
Engineering	103	Energy engineering
Natural sciences	104	Physics
Natural sciences	105	Geosciences
Natural sciences	106	Chemistry
Engineering	107	Mechanical engineering and manufacturing technology
Natural sciences	108	Computational science
Engineering	109	Medical engineering
Natural sciences	110	Mathematics
Engineering	111	Materials science and technology
Engineering	112	Nanoscience and nanotechnology
Engineering	113	Process technology
Engineering	114	Construction and municipal engineering
Engineering	115	Electrical engineering and electronics
Engineering	116	Industrial biotechnology
Natural sciences	117	Computer science
Natural sciences	118	Statistics
Engineering	119	Industrial management
Natural sciences	120	Astronomy
Engineering	121	Environmental engineering
Biosciences	201	Biochemistry, biophysics
Biosciences	202	Ecology, evolutionary biology and ecophysiology
Biosciences	203	Plant biology
Biosciences	204	Developmental biology and physiology
Biosciences	205	Microbiology
Biosciences	206	Genetics
Biosciences	207	Cellular and molecular biology
Biosciences	208	Systems biology, bioinformatics
Environmental, agricultural and forest sciences	209	Environmental science
Environmental, agricultural and forest sciences	301	Food sciences

Disciplinary group	No	Primary research field
Environmental, agricultural and forest sciences	302	Agricultural sciences
Environmental, agricultural and forest sciences	303	Forest sciences
Medical and health sciences	401	Biomedicine
Medical and health sciences	402	Veterinary medicine
Medical and health sciences	403	Pharmacy
Medical and health sciences	404	Dental science
Medical and health sciences	405	Nursing science
Medical and health sciences	406	Public health research
Medical and health sciences	407	Clinical medicine
Medical and health sciences	408	Sport sciences
Medical and health sciences	409	Nutrition
Medical and health sciences	410	Environmental health research
Medical and health sciences	501	Neuroscience
Social sciences	601	Human geography
Social sciences	602	Economics
Social sciences	603	Education
Social sciences	604	Development research
Social sciences	605	Business administration
Social sciences	606	Women and gender studies
Social sciences	607	Law
Social sciences	608	Psychology
Social sciences	609	Social sciences
Social sciences	610	Science studies
Social sciences	611	Political science
Social sciences	612	Communication
Social sciences	613	Environmental social science research
Humanities	701	Philosophy
Humanities	702	History and archaeology
Humanities	703	Linguistics
Humanities	704	Literature research
Humanities	705	Design research
Humanities	706	Art research
Humanities	707	Theology