Faculty of Science*

The Faculty of Science conducts research and offers educational programmes and courses within mathematics, physics, chemistry, biology, geology, environmental science and related fields. The faculty’s research is multifaceted, from the smallest components of matter to the whole universe and its evolution. From protein structures and cell membranes to entire ecosystems, continental ice sheets and their link to the climate.

**General aims:**
- To promote basic research
- To be internationally prominent in both research and education
- To offer education based on results from, and in close contact with, scientific research
- To contribute to the development of society by meeting the need for scientific knowledge and skills
- To secure an effective and rational, collegiate-based approach

**Students**

<table>
<thead>
<tr>
<th></th>
<th>Annual performance</th>
<th>Full-time students</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Undergraduate Education</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>2 236 (59/41)</td>
<td>3 149 (55/45)</td>
</tr>
<tr>
<td>2018</td>
<td>2 152 (57/43)</td>
<td>3 073 (54/46)</td>
</tr>
<tr>
<td><strong>Externally Funded Education</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>85 (84/16)</td>
<td>105 (81/19)</td>
</tr>
<tr>
<td>2018</td>
<td>60 (82/19)</td>
<td>84 (76/24)</td>
</tr>
<tr>
<td><strong>PhD program</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>670 (46/54)</td>
<td>144 (48/52)</td>
</tr>
<tr>
<td>2018</td>
<td>682 (44/56)</td>
<td>125 (52/48)</td>
</tr>
</tbody>
</table>

**Academic Degrees**

<table>
<thead>
<tr>
<th></th>
<th>Bachelor of Science</th>
<th>Master of Science</th>
<th>Doctor of Philosophy</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>196 (51/49)</td>
<td>206 (56/44)</td>
<td>115 (37/63)</td>
</tr>
<tr>
<td>2018</td>
<td>214 (55/45)</td>
<td>226 (55/45)</td>
<td>143 (61/39)</td>
</tr>
</tbody>
</table>

**Staff**

<table>
<thead>
<tr>
<th></th>
<th>Professors¹</th>
<th>Associate Professors</th>
<th>Lecturers</th>
<th>Assistant Professors</th>
<th>Other Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>179 (25/75)</td>
<td>116 (30/70)</td>
<td>26 (82/18)</td>
<td>35 (40/60)</td>
<td>3 (32/68)</td>
</tr>
<tr>
<td>2018</td>
<td>178 (25/75)</td>
<td>118 (27/73)</td>
<td>30 (80/20)</td>
<td>27 (43/57)</td>
<td>3 (46/54)</td>
</tr>
</tbody>
</table>

Full-time employees (% women/men)
¹ Professor, Visiting Professor, Adjunct Professor

**Publications (refereed)**

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 912</td>
<td>1 854</td>
</tr>
</tbody>
</table>

**Research Indicators**

<table>
<thead>
<tr>
<th></th>
<th>VR Grants¹</th>
<th>WAF²</th>
<th>ERC Grants</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>143 (12,9)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>2018</td>
<td>123 (11,5)</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

¹ VR Grants to SU within Nature and technology science in Million Swedish kronor (percent of total grants distributed).
² Number of Wallenberg Academy Fellows to the Faculty.

**Finances (Million Swedish kronor)**

<table>
<thead>
<tr>
<th></th>
<th>Government grants</th>
<th>External funding¹</th>
<th>External commissions¹</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Undergraduate Education</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>296</td>
<td>15</td>
<td>16</td>
<td>327</td>
</tr>
<tr>
<td>2018</td>
<td>290</td>
<td>13</td>
<td>14</td>
<td>317</td>
</tr>
<tr>
<td><strong>Research and PhD program</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>888</td>
<td>1 000</td>
<td>40</td>
<td>1 928</td>
</tr>
<tr>
<td>2018</td>
<td>854</td>
<td>927</td>
<td>37</td>
<td>1 818</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019: 2 255 Mkr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2018: 2 135 Mkr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹Used funds.

**The Royal Swedish Academy of Sciences 2019**

51 members of the Academy from the Faculty

**Honorary Doctorates at the Faculty in 2019**

- **Professor Nora Underwood**, Florida State University i Tallahassee, USA
- **Professor Frances Westley**, University of Waterloo, Ontario, Kanada

**Selection of research centres**

- Bolin Centre for Climate Research
- The Institute for Solar Physics
- The Oskar Klein Centre for Cosmo Particle Physics

**Profile areas**

- Astrophysics, Cosmology and Particle Physics
- Atomic, Molecular and Complex Quantum System Physics
- Biological Membranes
- Catalysis in Organic Chemistry
- Climate, Seas and Environment
- Gene-Environment Interaction
- Materials Chemistry
- Mathematical Theory Development and Modelling

Nerve cells, cell division and a plasma ball. Pictures from Mostphoto.
#### Faculty Executives in 2020

**Faculty Dean**
Professor Henrik Cederquist, Department of Physics

**Vice Dean**
Professor Ylva Engström, Department of Molecular Biosciences, The Wenner-Gren Institute

**Mathematics-Physics Section**

**Section Dean**
Professor Tom Britton, Department of Mathematics

**Vice Chairperson**
Docent Maria Andrée, Department of Mathematics and Science Education

**Chemistry Section**

**Section Dean**
Professor Berit Olofsson, Department of Organic Chemistry

**Vice Chairperson**
Professor Niklas Hedin, Department of Materials and Environmental Chemistry

**Biology Section**

**Section Dean**
Professor Sören Nylin, Department of Zoology

**Vice Chairperson**
Professor Catarina Rydin, Department of Ecology, Environment and Plant Sciences

**Section for Earth and Environmental Sciences**

**Section Dean**
Professor Barbara Wohlfarth, Department of Geological Sciences

**Vice Chairperson**
Professor Jerker Jarsjö, Department of Physical Geography

**Committee for Undergraduate Education**

**Chairperson**
Professor Joakim Edsjö, Department of Physics

**Vice Chairperson**
Professor Alasdair Skelton, Department of Geological Sciences

#### Faculty Departments, Institutes and Centres

**Mathematics-Physics Section**
- Department of Astronomy
- Department of Mathematics
- Department of Mathematics and Science Education (MND)
- Department of Meteorology (MISU)
- Department of Physics

**Chemistry Section**
- Department of Biochemistry and Biophysics (DBB)
- Department of Materials and Environmental Chemistry (MMK)
- Department of Organic Chemistry

**Biology Section**
- Department of Biology Education (BIG)
- Department of Ecology, Environment and Plant Sciences (DEEP)
- Department of Molecular Biosciences, The Wenner-Gren Institute (MBW)
- Department of Zoology

**Section of Earth and Environmental Sciences**
- Department of Environmental Science
- Department of Geological Sciences (IGV)
- Department of Physical Geography (NG)

**Centres/Institutes**
- Baltic Sea Centre
- Bergius Botanic Garden
- Nordic Institute for Theoretical Physics (Nordita)
- Stockholm Resilience Centre (SRC)

**Field Stations**
- The Askö Laboratory - Marine Research
- Navarino Environmental Observatory - Climate and environment (NEO)
- Tarfala - Glaciology
- Tovetorp - Ethology

**National resource**
- SciLifeLab (Collaboration between SU, KI, KTH and Uppsala University.)

Young arctic fox. The Swedish Arctic Fox Project is a research team at Stockholm University studying the ecology and genetics of arctic foxes.

Northern Lights over Tarfala Field Station 2019.
Office of Science

The Office of Science serves as administrative support for the faculty and its departments, as well as to the Vice-President and the Director of Administration.

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