Physics at Queen’s combines high-calibre research with an intermediate-scale learning setting, enabling attention and care towards undergraduate teaching as well as exposure to a broad range of topics and expertise. Our students will learn in an engaging environment with the opportunity to conduct interdisciplinary research in state-of-the-art laboratories, and work on projects involving international collaborators such as the experiments in dark matter and neutrinos happening below the surface of the Earth at the Sudbury Neutrino Observatory.

**TOP 5 REASONS to study PHYSICS AND ASTRONOMY**

1. The department is one of Canada’s leading teaching and research institutes in Physics and Astronomy.
2. Award-winning physics educators such as 3M National Teaching Fellow James Fraser.
3. Our internship program (QUIP) offers a wide range of careers to explore and companies to learn from.
4. Brand new astroparticle physics institute named after Queen’s Nobel Prize Laureate Art McDonald.
5. 25+ summer research assistant positions offered by the department to students every summer.

**ALUMNI JOBS**

<table>
<thead>
<tr>
<th>Field</th>
<th>Percentage of Alumni</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government</td>
<td>11%</td>
</tr>
<tr>
<td>Technology</td>
<td>18%</td>
</tr>
<tr>
<td>Business &amp; Law</td>
<td>18%</td>
</tr>
<tr>
<td>Education &amp; Research</td>
<td>31%</td>
</tr>
</tbody>
</table>

**alumni STORY**

“For me, the community within the Physics Department was by far the best aspect of studying Physics at Queen’s. The engaging instructors, knowledgeable technologists, helpful administrative and support staff, and my collaborative peers all contributed to my learning in the most positive way.”

-Kate Fenwick, BScH ’17

**2018-19 thresholds**

<table>
<thead>
<tr>
<th>GPA</th>
<th>AUTOMATIC ACCEPTANCE</th>
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<tbody>
<tr>
<td>2.3 cGPA</td>
<td>min C+ in PHYS 10#</td>
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</table>

**PENDING LIST**

<table>
<thead>
<tr>
<th>GPA</th>
<th>min pass in PHYS 10#</th>
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</thead>
<tbody>
<tr>
<td>2.3 cGPA</td>
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</tbody>
</table>

*Thresholds are made on a competitive basis and are updated annually. For the latest information please visit: [QUartscl.com](http://QUartscl.com)*

**add a CERTIFICATE to your degree**

- Employment Relations
- Entrepreneurship, Innovation and Creativity
- Disability and Physical Activity
- French for Professionals
- Geographic Information Science
- Global Action and Engagement
- Indigenous Languages and Cultures
- International Studies
- Media Studies
- Sexual and Gender Diversity
- Urban Planning Studies

[QUartscl.com/certs](http://QUartscl.com/certs)
GET THE COURSES YOU NEED

PHYSICS
Major, Bachelor of Science (Honours)

Sample Year by Year

1ST YEAR
- PHYS 104/6.0 or PHYS 106/6.0
- MATH 110/6.0 or MATH 111/6.0
- 6.0 units from MATH 120/6.0, MATH 121/6.0, (MATH 123/3.0 and MATH 124/3.0)
- 12.0 units of electives

2ND YEAR
- PHYS 206/3.0
- PHYS 212/3.0
- PHYS 213/3.0
- PHYS 239/3.0
- PHYS 242/3.0
- PHYS 250/3.0
- MATH 221/3.0 or MATH 280/3.0
- MATH 225/3.0 or MATH 231/3.0
- 6.0 units of electives and/or minor

3RD YEAR
- PHYS 334/3.0
- PHYS 345/3.0
- PHYS 350/6.0
- PHYS 372/3.0
- (PHYS 316/3.0 and PHYS 317/3.0) OR (MATH 228/3.0 and MATH 338/3.0)
- 9.0 units of electives and/or minor

4TH YEAR
- PHYS 432/3.0
- 6.0 units from PHYS 315/3.0; PHYS at the 400 level or above
- 21.0 units of electives and/or minor

* Please note if you were admitted to the Plan prior to May 2018 your requirements are slightly different.

Note that degree requirements are revised regularly. The most current requirements, including course lists and options, are found in the Academic Calendar at: QUartsci.com/academic-calendar