The 2.5-m Isaac Newton Telescope (INT) is operated at the Observatorio del Roque de los Muchachos on the island of La Palma (Canary Islands, Spain) by the Isaac Newton Group of Telescopes (ING). The INT is used for astrophysical research by a large community of astronomers worldwide. It currently houses two highly competitive instruments: the Wide Field Camera (WFC), which offers one of the largest available broadband filter sets for wide field imaging, and the Intermediate Dispersion Spectrograph (IDS), a very versatile long-slit spectrograph. Its imaging and spectroscopic capabilities make the INT a unique hands-on training facility for students just starting their careers in astronomy and astrophysics. The INT offers visitor-mode observations only, so a high degree of interaction with visiting astronomers working in a wide variety of topics is guaranteed.

ING resident studentship program

The ING studentship program offers to 4 students (PhD/Master) from any European country a 1-year stay at the ING learning different aspects of the operations of an observatory.

During their stay the student main duties consist of managing and supporting all the INT observations using the WFC and the IDS. They are also involved in ING projects related to instrumental, optical, or software development, improvement and/or characterization. Besides, they have ~60% of time for doing research.

Our program allows them to get in contact with the instrumental and engineering side of an observatory. They are trained on how to operate the telescope and fix technical problems. They learn how to setup the instruments for the observers (mounting filters, gratings, focusing the spectrograph, quality control tests, etc.).

Besides the technical knowledge of the telescope and the instrumentation, they learn and deal with many observing techniques as a result of carrying out different kinds of observing programs and discretionary tasks.

They are also in contact with the visiting astronomers performing different science cases. This provides the students with a wider perspective of the astrophysical research. In this enriching environment they have the opportunity to pursue their own research.

Training agreement with Iranian National Observatory

Astronomers at the Iranian National Observatory (INO) are planning the construction of a 3.4-m telescope in Iran. First light is expected ~ 2015. To provide the Iranian astronomy community with a broader base of observational experience, Iranian student astronomers visit ING for extended periods, training up as INT support astronomers, and helping to carry out observations for visiting Iranian teams.

We have hosted two students so far: Shant Baghramian (now at the Perimeter Institute in Canada) and Mansour Karami (at ING during 2011/12). A third student is expected shortly.

ING encourages students from all countries, and in particular the ING partner countries institutions to participate in the ING studentship program.

To apply:
http://www.ing.iac.es/astronomy/science/studentship.html

Students by country of origin

Since 2002 ING has hosted 42 students from different nationalities and institutions, who have been formed as support astronomers. In the accompanying figure, are shown the percentage of students coming from the different countries.

Most of the students come from UK, mainly from Sheffield, Hertfordshire, Belfast and Manchester Universities. Spain is the second country in students to the ING, mainly from IAC.