STUDY ABROAD
FOR PHYSICS MAJORS
WHY YOU SHOULD STUDY ABROAD

Study abroad programs provide Physics majors with access to interesting and relevant courses around the world. Immerse yourself in a new culture while earning credits toward your degree. It is possible for Physics students to go abroad for a semester or full year and still graduate on time!

WHAT YOU NEED TO KNOW

PREMIER PARTNER UNIVERSITIES
CNS faculty members have carefully chosen highly-ranked universities and pre-approved science courses needed to complete your degree.

CREDIT
Choose from a wide selection of pre-approved course offerings. Visit the “My Credit Abroad” database online to view direct course matches.

EXPERIENTIAL LEARNING
Several programs allow you to include undergraduate research or an internship during your stay abroad.

PRE-HEALTH PROFESSIONS OPTIONS
Explore the “Study Abroad Guide for Pre-Health Professions” online and speak with your academic advisor early to discuss options.

AFFORDABILITY
Consider the real cost of studying abroad, the difference between a semester in Austin and a semester abroad. UT awards hundreds of study abroad scholarships that can help offset costs.

QUESTIONS

TO ASK YOUR ACADEMIC ADVISOR IN THE DEPARTMENT OF PHYSICS

• Visit the Advising Office online: cns.utexas.edu/mpa-home
• What classes must I complete on campus for my degree?
• What core or major requirements can I complete abroad?
• What remaining prerequisites must I fulfill, and how will study abroad impact my progress?
• How many hours of upper-division credit do I need to complete for my degree?
• How many hours of elective (lower vs. upper division) credit do I have remaining in my major?
• Are there any in-residence requirements I need to be aware of before I go abroad?

TO ASK YOUR STUDY ABROAD COORDINATOR

• How will I get credit for the courses I take abroad?
• How can I get courses approved for my program(s) of interest?
• What do I need to consider in preparing an estimated budget for my program(s) of interest, and what expenses do I need to plan for up front?
• Where can I find more information about scholarships for study abroad?
• How can I contact UT students who have participated in my program(s) of interest?
Each program below has numerous courses pre-approved for UT credit which apply to Physics degree requirements. Visit the “My Credit Abroad” database online to view direct course matches: world.utexas.edu/abroad/credit

AUSTRALIAN NATIONAL UNIVERSITY
CANBERRA, AUSTRALIA
ANU is Australia’s only national university and is located in the heart of the capital city. Mountains and beautiful beaches are just a few hours away, making ANU a perfect choice for students seeking world-class academics and cultural and outdoor opportunities.

NATIONAL UNIVERSITY OF SINGAPORE
Courses taught in English. The eclectic mix of East and West in cosmopolitan Singapore makes the exchange program at NUS an engaging choice. Students are able to study in English at one of the top universities in Asia, choosing from a wide range of pre-approved courses in the sciences, liberal arts, and business.

UNIVERSITY COLLEGE LONDON, ENGLAND
Located in a city of over eight million people, UCL is among the world’s top universities. This exchange program is ideal for independent students looking for a challenging academic experience at a prestigious institution. Pre-approved courses are available across the sciences and liberal arts.

UNIVERSITY OF CAPE TOWN, SOUTH AFRICA
Courses taught in English. This program allows students to direct enroll at Africa’s leading research university, located on the slopes of Table Mountain overlooking the city. The UCT Physics Department has an active tradition of research and teaching in the physical sciences.

UNIVERSITY OF MELBOURNE, AUSTRALIA
University of Melbourne ranks within the top 30 universities in the world. The campus is located just five minutes from the vibrant downtown area. With numerous pre-approved courses available across all fields, Melbourne has been a top destination for UT students.

UNIVERSITY OF NEW SOUTH WALES, SYDNEY, AUSTRALIA
Ideally situated in the eastern suburbs of Sydney, this program allows students to study at one of the country’s best universities while getting a taste of Australian culture, great weather, and beautiful beaches. Example courses of interest for science students include Linear Algebra and Solid State Physics.

UNIVERSITY OF OTAGO, DUNEDIN, NEW ZEALAND
The University of Otago has earned an international reputation for the quality of its research and teaching and is located on the coast in a vibrant, beautiful, and peaceful place to live and study. Courses are available across the sciences.

UNIVERSITY OF QUEENSLAND, BRISBANE, AUSTRALIA
Students can choose from a wide selection of courses that fulfill physics degree requirements at UQ. In addition, UQ provides students with an opportunity to gain research experience working alongside the university’s leading academics and researchers through its undergraduate research programs.

UNIVERSITY OF SUSSEX, BRIGHTON, ENGLAND
Located in a coastal city, the University of Sussex has been a top choice of UT science students in recent years. Brighton has one of the youngest per capita populations in the UK and boasts a vibrant arts and entertainment scene. Examples of classes science students have taken include Introductory Physics I & II and Further and Vector Calculus.

UNIVERSITY OF NOTTINGHAM, ENGLAND
Nottingham is an excellent choice for the student who prefers a full academic-year study abroad experience, as there are a number of year-long courses offered in the School of Physics and Astronomy. Examples include From Newton to Einstein, The Quantum World, and Theoretical Particle Physics.

“From a research standpoint, seeing how science gets done in another country was an invaluable experience. I got exposure to a new and really exciting subfield of physics. Overall, the experience opened my eyes in a way I don’t think could have happened in the U.S.”
— Will Berdanier, Switzerland

UNIVERSITY OF SYDNEY, AUSTRALIA
The University of Sydney offers a wide selection of courses pre-approved for credit. Some options include Physics I and Linear Algebra. Students can apply to the Study Abroad Internship Program which exposes participants to the Australian workplace culture through hands-on experience outside of the classroom.

UPPSALA UNIVERSITY, UPPSALA, SWEDEN
Courses taught in English and Swedish. Established in 1477, Uppsala University is regarded as one of the best universities in Europe. The UT “Swedish Excellence Endowment” offers significant scholarship funding specifically for UT Austin students. A wide selection of science courses is available, and students can opt to enroll in Swedish language courses as well.
### MAPPING YOUR SEMESTERS

Sample plans specific to each of the Physics major options are available under the “International Study” section of the UT College of Natural Sciences website. Use the samples to help incorporate a semester abroad into your degree plan.

### SAMPLE STUDY ABROAD PLAN (12-14 CATALOG)

**BACHELOR OF SCIENCE IN PHYSICS – OPTION I**

#### FIRST YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>M 408C</td>
<td>M 408D</td>
<td>American History*</td>
</tr>
<tr>
<td>PHY 110C or 1 hour elective</td>
<td>PHY 301/PHY 101L</td>
<td>GOV 310L</td>
</tr>
<tr>
<td>RHE 306 or UGS 302 or 303</td>
<td>PHY 110C or 1 hour elective</td>
<td></td>
</tr>
<tr>
<td>CH 301</td>
<td>CH 302</td>
<td></td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences*</td>
<td>UGS 302 or 303 or RHE 306</td>
<td></td>
</tr>
</tbody>
</table>

#### SECOND YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>M 427K</td>
<td>M 427L</td>
<td></td>
</tr>
<tr>
<td>M 340L</td>
<td>PHY 315/PHY 115L</td>
<td></td>
</tr>
<tr>
<td>E 316K*</td>
<td>Major Level BIO, AST or GEO</td>
<td></td>
</tr>
<tr>
<td>PHY 316/PHY 116L</td>
<td>Visual and Performing Arts*</td>
<td></td>
</tr>
<tr>
<td>PHY 110C or 1 hour elective</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### THIRD YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 353L</td>
<td>PHY 352K</td>
<td></td>
</tr>
<tr>
<td>PHY 355</td>
<td>PHY 373</td>
<td></td>
</tr>
<tr>
<td>PHY 336K</td>
<td>M 361 or elective*</td>
<td></td>
</tr>
<tr>
<td>M 362K</td>
<td>Elective*</td>
<td></td>
</tr>
<tr>
<td>Foreign Language/Culture*</td>
<td>Foreign Language/Culture*</td>
<td></td>
</tr>
</tbody>
</table>

#### FOURTH YEAR

**Study Abroad**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 362K</td>
<td>PHY 362L</td>
<td></td>
</tr>
<tr>
<td>PHY 369</td>
<td>PHY 474</td>
<td></td>
</tr>
<tr>
<td>American History</td>
<td>Electives as needed*</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PROGRAM HIGHLIGHT

**UNIVERSITY OF MELBOURNE (UM)**

You could spend the fall semester of your senior year at University of Melbourne and enroll in these four pre-approved courses that match the courses needed to fulfill your UT degree requirements.

- PHYC 30020 Quantum Systems
- PHYC 30017 Statistical Physics
- HIST 20043 The USA and the World: Democracy & Empire
- MECM 20006 Understanding Australian Media

### MY STUDY ABROAD PLAN

#### FIRST YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### SECOND YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### THIRD YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### FOURTH YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PLANNING TIPS

- For detailed information on our Premier Partners, visit the “International Study” section of the UT College of Natural Sciences website.
- Speak with your academic advisor early on for the most flexibility in planning your time abroad!
- Study abroad for Physics majors is recommended during fall semester of the senior year, but sophomore year is possible with careful planning.
- Going abroad during your final semester is not recommended, as the delay in processing course credits could prevent you from graduating on time.

### MY STUDY ABROAD PLAN

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

**I did research in a statistical physics laboratory, which fit my major extremely well and really helped me stay on track with my academic goals.”**

— Santiago Benavides, France
WAYS TO GET STARTED

Discover more at world.utexas.edu/abroad

TALK TO YOUR ACADEMIC ADVISOR
Your advisor can help identify the best course options to meet degree requirements and can help determine the ideal semester to participate.

STUDY ABROAD PEER ADVISORS
Peer advisors can help you explore options and answer questions during walk-in hours at the International Office. See walk-in hours here: world.utexas.edu/abroad/advising/peeradvisors

PROGRAM SEARCH ENGINE
Explore more than 400 study abroad programs.

MY CREDIT ABROAD DATABASE
Find more than 10,000 pre-approved foreign courses with UT equivalents.

ON CAMPUS ADVISING AND EVENTS
Walk-in advising and information sessions are available throughout the academic year. Dates, times, and locations are found on the calendar on the main Study Abroad website.

FUNDING STUDY ABROAD
Understand your funding options, financial aid, online tools, and available scholarships: world.utexas.edu/abroad/funding

CONTACT US
Phone: (512) 471-6490
Email: studyabroad@austin.utexas.edu
Web: world.utexas.edu/abroad
Facebook: facebook.com/longhorns.abroad