

STUDY PHYSICS ABROAD  
JUNIOR YEAR AT THE UNIVERSITY OF ST. ANDREWS (SCOTLAND)



Situated in the small and windswept coastal town of St. Andrews, the University of St. Andrews was founded in 1413, making it Scotland's first university. It is an extremely popular study abroad destination, with international students from America and Canada comprising 15% of the university's student population.

The academic year at the University of St. Andrews consists of two semesters. The department of Physics and Astronomy offers both degrees in Physics and Astronomy, with a variety of core and elective courses (referred to as "modules") to choose from. Although there is good overlap of the content of core Physics courses with those offered at UCSB, careful course planning is needed for students not planning an entire year abroad. For a semester abroad, it is recommended that you study abroad during the Fall quarter of the Junior year. This allows you to return for Winter quarter at UCSB to continue with the "B" part of multi-part core courses required for the B.S. degree such as Phys 115 and Phys 110.

For Fall semester abroad, it is also strongly recommended that you take certain Junior year courses during the Sophomore year, in preparation for Study Abroad at St Andrews during Junior year. In particular, it is recommended that you complete Phys 103 during the Sophomore year or during the summer prior to departure for study abroad. In addition, if you plan on taking the elective course Phys 102, as preparation

for the study of Quantum Mechanics, it is recommended that you take this course during the Fall of Sophomore year.

If you plan to study abroad for the entire year, you may either take the Junior year course Phys 101 during the Winter of Sophomore year or plan to take it during your Senior year.

Below you will find the course equivalencies between University of St. Andrews Physics program and the UCSB Physics core courses. These are pre-approved and will be accepted by the department towards meeting Physics B.S. degree requirements.

## Approved course equivalencies

### SEMESTER 1 at St. Andrews University (September - December)

Partner Institution/Country	Subject area	EAP course year	Semester	Partner University course title	UCSB units	Partner University course number	Pre-approved UCSB Equivalent
University of St. Andrews, Scotland	CORE	3 <sup>rd</sup> year	Fall	Quantum Mechanics 1	4	PH 3061	Phys 115A

### SEMESTER 2 at St. Andrews University (January - May)

Partner Institution/Country	Subject area	EAP course year	Semester	Partner University course title	UCSB units	Partner University course number	Pre-approved UCSB Equivalent
University of St. Andrews, Scotland	CORE	4 <sup>th</sup> year	Spring	Lagrangian and Hamiltonian Dynamics	4	PH 4038	Phys 104
	CORE	3 <sup>rd</sup> year	Spring	Quantum Mechanics 2	4	PH 3062***	Phys 115B-C
	CORE	3 <sup>rd</sup> year	Spring	Thermal and Statistical Physics	4	PH 3012	Phys 119A
	CORE	3 <sup>rd</sup> year	Spring	Electromagnetism	4	PH 3007	Phys 110A

\*\*\*If you study at St. Andrews for 1 semester and enroll in PH 3061, you will get credit towards UCSB course Phys 115A. If on the other hand, you study abroad for the entire year and enroll in St. Andrews courses PH 3061 and PH 3062, you will get credit towards UCSB courses Phys 115A, B and C.

## Course Catalog

The complete Physics module offerings, including many interesting electives, for academic year 2016-2017 is found here – <https://www.st-andrews.ac.uk/coursecatalogue/ug/>

## Class Timetable

Visit <https://portal.st-andrews.ac.uk/catalogue/Search?dept=PH&level=ALL> to view the timetables for all the modules.