



PHYSICS & ENGINEERING PROGRAMS

A GUIDE TO STUDY ABROAD

Physics majors are encouraged to complete a study abroad experience as part of their degree program. This guide is designed to introduce you to the opportunities that studying abroad brings to your major. A full list of study abroad programs is available on the CGE website: <http://bit.ly/FeaturedProgramsPage>.

MAJOR SPECIFIC CONSIDERATIONS:

- While Physics majors are not required to study abroad, it is highly encouraged.
- Although most Engineering students must transfer out of UNG to complete their degree at another institution, some Engineering courses taken abroad may be transferrable to your new institution.

STUDY ABROAD CAN HELP YOU

- Apply concepts learned in class by making connections to the greater world.
- Strengthen your understanding of yourself and challenge your perceptions of the world.
- Enhance employment opportunities by providing real-life experience and adaptability.
- Increase your skills and knowledge while earning academic credit.

FINANCIAL SUPPORT

- Use federal, state, and other financial aid. i.e. Pell, Hope/Zell
- Institutional and national study abroad scholarships available
- CGE/NCS provide assistance in researching and applying for funding sources

COST COMPARISON*

Cost of a summer at UNG: \$6,000-10,000 vs
Cost of a summer abroad: \$6,000-\$12,000

Cost of a semester at UNG: \$14,000-20,000 vs
Cost of a semester abroad: \$11,000-\$30,000

***Cost estimates include: tuition, fees, housing, meals, travel, and insurance. Costs are subject to change.**

HOW DO I GET STARTED?

1: Plan Early! Investigate Programs

This brochure is a starting point. Check the [CGE website](#) for more programs and information.

2: Speak with an Education Abroad Advisor

Education Abroad Advisors are professional staff members that can assist you with the study abroad process. You can schedule a [meeting online](#).

3: Speak with a Professional/Faculty Advisor

Discuss how the program fits into your academic plan. You can find your academic advisor on the [Tranguid in Banner](#).

4: Research Funding

Funding opportunities can be found through the following:

- Financial Aid Office
- Nationally Competitive Scholarships Office
- CGE's Education Abroad Scholarships Page

5: Apply!

6: Pack your bags!



Europe:

JOHN CABOT UNIVERSITY

- 📍 **Location:** Rome, Italy
- 📅 **Program Length:** 4 weeks (Summer)
- 📖 **Credits:** 3-6 credit hours (3-6 credit hours in summer)
- 📚 **Sample Courses:** Statics, Mechanics of Materials, Mechanics and Machines, Thermodynamics, Fluid Mechanics, Microcontroller Programming and Applications, Electrical Engineering I: Basic Circuits, Engineering Dynamics
- 💰 **Price Range:** \$10,000-\$12,000

ABERYSTWYTH UNIVERSITY

- 📍 **Location:** Aberystwyth, Wales
- 📅 **Program Length:** Semester
- 📖 **Credits:** 12-15 credit hours
- 📚 **Sample Courses:** Introduction to Fundamentals of Physics I/II, Introduction to Laboratory Physics, Laboratory Techniques for Experimental Physics, Introduction to Mathematical Methods for Physicists, Forces and Energy, Astronomy, Energy and the Environment, Thermodynamics, Electricity and Magnetism
- 💰 **Price Range:** \$15,000-17,000

ISEP: AMERICAN UNIVERSITY IN BULGARIA

- 📍 **Location:** Blagoevgrad, Bulgaria
- 📅 **Program Length:** Semester
- 📖 **Credits:** 12-15 credit hours
- 📚 **Sample Courses:** Mechanics and Thermodynamics, Electromagnetism, Relativity, and Quantum Physics, Astronomy, Classical Mechanics, Theory of Electromagnetism, Quantum Physics, Cosmology and Astrophysics
- 💰 **Price Range:** \$15,000-17,000 (exchange)

ISEP: UNIVERSITY COLLEGE CORK

- 📍 **Location:** Cork, Ireland
- 📅 **Program Length:** Semester
- 📖 **Credits:** 12-15 credit hours
- 📚 **Sample Courses:** Introductory Physics I/II with lab, Classical Mechanics, Introduction to Quantum Physics, Electrostatics and Magnetostatics, Introduction to Thermodynamics and Statistical Physics, Introduction to Computational Physics
- 💰 **Price Range:** \$22,500-24,500 (direct)

CIEE: ARTS + SCIENCES (UNIVERSITY COLLEGE DUBLIN)

- 📍 **Location:** Dublin, Ireland
- 📅 **Program Length:** Semester
- 📖 **Credits:** 15-18 credit hours
- 📚 **Sample Courses:** Foundations of Physics; Theoretical Physics; Mechanics of Solids; Energy Engineering; Astronomy & Space Science; Physics for Engineers I/II; Fields, Waves and Light; Classical Mechanics and Relativity; Electromagnetism; Quantum Mechanics; Nuclear Physics
- 💰 **Price Range:** \$29,000-31,000

WORLDSTRIDES: SEMESTER AT UNIVERSITY OF GALWAY

- 📍 **Location:** Galway, Ireland
- 📅 **Program Length:** Semester
- 📖 **Credits:** 12-18 credit hours
- 📚 **Sample Courses:** Astrophysical Concepts, Electricity, Magnetism & Electrical Circuits, Physics, Physics of the Environment I, Quantum Physics, Wave Optics
- 💰 **Price Range:** \$28,000-30,000

Asia/The Pacific:

SOGANG UNIVERSITY

- 📍 **Location:** Seoul, South Korea
- 📅 **Program Length:** Semester
- 📖 **Credits:** 12-15 credit hours
- 📚 **Sample Courses:** General Physics I with lab, Mechanics I, Electromagnetism I/II, Mathematical Physics I, Solid State Physics I, Modern Optics I, Classical Physics I
- 💰 **Price Range:** \$11,000-13,000 (direct)

ISEP: HANYANG UNIVERSITY

- 📍 **Location:** Seoul, South Korea
- 📅 **Program Length:** Semester or Summer (4 weeks)
- 📖 **Credits:** 12-15 credit hours (3-9 credit hours in summer)
- 📚 **Sample Courses:** Engineering Mathematics 1 & II, Heat Transfer, Mechanism Design, Condensed Matter Physics, Nuclear and Particle Physics, Circuit Theory, Engineering Electromagnetics
- 💰 **Price Range:** \$15,000-17,000 (exchange) or \$7,500-9,500 (summer)

ISEP: LA TROBE UNIVERSITY

- 📍 **Location:** Melbourne, Australia
- 📅 **Program Length:** Semester
- 📖 **Credits:** 12-15 credit hours
- 📚 **Sample Courses:** Advanced Analytical Techniques, Advanced Electrodynamics, Advanced Physics Lab, Advanced Physics of Quantum Matter, Advanced Quantum Mechanics, Astronomy and Space, Classical Physics
- 💰 **Price Range:** \$15,000-17,000 (exchange) or \$20,000-21,000 (direct)

The Americas:

CIEE: OPEN CAMPUS BLOCK

- 📍 **Location:** Monteverde, Costa Rica or Merida, Mexico
- 📅 **Program Length:** Semester (made up of three 6-week blocks)
- 📖 **Credits:** 6 credit hours per block
- 📚 **Sample Courses:** Calculus I, General Physics I with lab, Statistics
- 💰 **Price Range:** \$4,000-6,000 per 6-week block

WORLDSTRIDES: SEMESTER AT PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ

- 📍 **Location:** Lima, Peru
- 📅 **Program Length:** Semester
- 📖 **Credits:** 12-16 credit hours
- 📚 **Sample Courses:** Advanced Dynamics, Introduction to Aeronautical Engineering, Fundamentals of Environmental Engineering, Sustainable Energy
- 💰 **Price Range:** \$19,000-21,000

The Middle East:

ISEP: AMERICAN UNIVERSITY OF SHARJAH

- 📍 **Location:** Sharjah, United Arab Emirates
- 📅 **Program Length:** Semester
- 📖 **Credits:** 12-15 credit hours
- 📚 **Sample Courses:** Conceptual Physics, General Physics I/II and lab, Astronomy, Intro to Astrophysics, Modern Physics, Classical Mechanics, Electromagnetic Theory
- 💰 **Price Range:** \$15,000-17,000 (exchange) or \$22,000-24,000 (direct)

Programs may not be available every year.

