

Study Away Options For MATHEMATICS MAJORS

The following is a list of programs which offer Mathematics courses. Mathematics students have a choice to study abroad for a summer, semester, or academic year. To determine the best time to go abroad, consult your academic advisor. Additionally, short term faculty-led programs may be offered with specific WSU Mathematics coursework for 3-6 credits and vary term to term.

This list is not meant to be exhaustive, but only a sampling of programs that highlight this major. For a complete list of approved program offerings, please see <https://www.winona.edu/studyabroad/>

Asia

South Korea

Seoul - [Chung-Ang University - Exchange](#)

Chung-Ang University is a private institution with 30,000 students and 982 faculty members. Established in 1918, CAU has taken a leading role in nurturing Korean and international students. A few of the Mathematical courses offered are Engineering Mathematics & Exercise, Integrative Applied Mathematics, Linear Algebra, and more.

Europe

Czech Republic

Prague - [CEA Prague, Czech Republic- Engineering & Math](#)

Study away in one of the most beautiful cities in the world. Prague is filled with cathedrals and century old bridges. Mathematical courses offered in this program include Calculus, Differential Equations, Engineering Statistics, and Linear Algebra.

Iceland

Reykjavik - [API Semester in Reykjavik](#)

Students who study abroad in Reykjavik, Iceland will be able to directly enroll with Icelandic and other international students. Some courses include Design and Analysis of Algorithms, Applied Statistics, and Applied Probability.

Ireland

Belfast - [Queen's University - Direct Enroll](#)

Study at Queen's University – the 9th oldest university in the UK with a reputation for excellence. Some potential courses include Linear Models, Statistical Inference, Methods of Operational Research, and more.

Italy

Rome - [SAI Programs - John Cabot University](#)

JCU is an American university located in the historic Trastevere section of Rome; from this vantage, the splendors of the city are within walking distance. Some courses include Finite Mathematics, Algebra, and Calculus.

Scotland

Aberdeen - [University of Aberdeen - Direct Enroll](#)

The University of Aberdeen is a public research university in Aberdeen, Scotland. Some possible courses include Calculus, Combinatorics, Set Theory, and more.

Oceania

Australia

Adelaide – [IFSA – University of Adelaide](#)

The University of Adelaide is located right in the heart of the city of Adelaide, which was recently called "Australia's best kept secret." The university is one of Australia's oldest, with "Harry Potter style" sandstone buildings with abundant STEM offerings. Take classes in their three Mathematics departments: Applied Mathematics, Pure Mathematics and Mathematical Sciences.

FACULTY-LED PROGRAMS

Faculty-led programs are short-term study abroad programs led by WSU faculty. These programs take place over breaks (winter, spring, or summer) and students earn 3-6 WSU credits. The following faculty-led programs are recommended for students in this major. This list is not meant to be exhaustive, but only a sampling of programs that highlight this major, college, or goal areas. For a complete list of approved program offerings, please see <https://www.winona.edu/studyabroad/>

England

London - [Mathematical History of England](#)

3 credits for MATH 307. Takes place during Spring Break (9-11 days in March). Students will study a broad range of historical mathematical contributions from England, including the development of calendars (Stonehenge) to the creation of Calculus (Newton), to the breaking of the Enigma code during WWII (Bletchley Park).

United States

Hawaii: [Hot Spot Geology](#)

4 credits for GEOS 303. Takes place during Summer (14 days in May). Students will be living and traveling on an active volcanic island while learning how the land devolves after active lava flows. This beautiful land has unique geology and many different environments to explore. The main topics of this course are volcanism, island evolution, surface processes, and culture in Hawaii.

INTERNSHIPS

Interning abroad is an exciting opportunity to gain valuable cross-cultural work experience, understand international perspectives in your field, and live in another country for a summer or semester. All internships are taken for credit, allowing financial aid to be used. This list is not meant to be exhaustive, but only a sampling of programs that highlight this major, college, or goal areas. For a complete list of approved program offerings, please see <https://www.winona.edu/studyabroad/>

API PROGRAMS

API Global Internships are the perfect way for students to accelerate their career by gaining valuable professional experience abroad. An API internship provides the platform for students to benefit from unique career training and cultural immersion, develop both technical and soft skills, and enhance their resumes to distinguish themselves in the job market. Placement opportunities are customized to suit your personal, professional, and academic goals.

Australia: Brisbane	Australia: Gold Coast	Australia: Sydney	Chile: Santiago	Ireland: Dublin
Italy: Florence	Italy: Rome	New Zealand: Auckland	Portugal: Lisbon	Spain: Barcelona
Spain: Madrid	Spain: Seville	UK: Edinburgh	UK: London	

BARCELONA SAE

Gain an edge that sets you apart from other graduates in your future career field! An internship in the cosmopolitan city of Barcelona offers hands-on professional experience paired with new cross-cultural communication skills and your proven ability to actively participate in the global workforce. You will be doing hands-on work in your field and developing professional intercultural skills. Placements are available with start dates throughout the year in English and Spanish.

Academic Study Center (SIS) + Internship Semester Program	In-Person Internships
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CEA PROGRAMS - [Sydney](#)

Interns will work to develop computational methods for solving problems that occur in a variety of areas within the organization. Some duties can include but are not limited to: applying mathematical methods in real-world industry-specific

contexts, using data to plan effectively to reach business goals; maintaining bookkeeping, updating account systems, analyzing, and reporting of data.