

THE HISTORY OF WOMEN: SCIENTIFIC EXCELLENCE

BIOLOGY, CHEMISTRY, PHYSICS, NURSING, MATH,
ASTRONOMY, MEDICINE, AND MORE!

STUDY ABROAD SUMMER 2023



Attention all BYU students who are interested in women's contributions to science!

Join us for our Summer 2023 inaugural study of the history of women in science. If you are interested in the history of science, women's contributions, or in supporting women in their ambitions, this study abroad is for you! Join us in a European exploration into how politics, custom and society shaped the lives of early female scientists, and how these individuals worked to overcome obstacles and break the barriers of scientific thought. Along the way, we will discuss dynamics of Latter-day Saint families with either spouse in science. We encourage men, women, and couples to apply! This study abroad will focus on the historical contributions of women to science, with a special emphasis on Marie Curie and her life contributions to chemistry and biology, including her discovery of novel elements, her role running 20 hospitals, and her development of radiation for X-ray imaging and chemotherapy. In addition, we will investigate the contributions of Florence Nightingale, Lady Montague, Rosalind Franklin, Jeanette Villepreux-Power, Barbara McClintock, Evelyn Cheesman, Mary Anning, Dorothy Hodgkin, Ester Lederberg, Maria Merian, Ethyl Wallace, Eleanor Ormerod, Chein-Shiung Wu, Dame Rothschild, Maria Goeppert Mayer, Laura Bassi, and many more—all while exploring the culture and history of six countries. In addition, we will hear from outstanding modern-day female scientists and champions of women in science, their advice for success, and the challenges they have overcome. We will visit memorials, museums, and local sites in six countries including sites in London, Paris, Berlin, Warsaw, Krakow, Florence, and Rome.

DATES

20 June–22 July 2023 (official dates TBA)

HOUSING

On the European continent, students will stay in hotels or hostels with their faculty directors.

COURSES

Students will receive 6–8 credits, which can fulfill various GE and major/minor elective requirements or count as general hours toward graduation. All students will take:

GWS 370—Women in Science (3 credits). Fulfills an elective requirement for the Global Women's Studies minor.

Students will also take at least one course detailing the history and contributions of women to science including direct analysis of scientific literature (total 3–5 credits). Students will choose from:

MMBIO 390R—Readings in Microbiology or Molecular Biology

MMBIO 294R—Mentored Research

MMBIO 339R—Internship

Students may not take any other courses while on this program, including BYU Online courses, without approval by the program director and ISP.

COST

\$6,100–6,600

Includes full-time Latter-day Saint undergraduate tuition (costs higher for graduate and non-Latter-day Saint students); housing, admission to program-related activities and historical sites; transportation to program locations, group field trips, and international health insurance coverage. Does not include international airfare (program begins in London and ends in Rome—both major international travel hubs), preparation course tuition, most meals, passport fees, or personal expenses.

TRAVEL

Students are responsible for purchasing their own airfare to and from the program. Airfare reservations must be made through BYU Travel. Students should contact a BYU Travel agent at: BYU Travel | 801-422-6293 | travel@byu.edu | 280 HRCB

PREPARATION

All accepted students must also register for IAS 201R (1 credit), a required pre-departure preparation course to be taught by Professors Grose and Davis during the second term of winter 2023 semester.

Students must meet all country- and program-specific COVID and health requirements for travel.

FUNDING SOURCES

BYU tuition scholarships, Pell Grants, and Federal Insured Student Loans may be applied to study abroad programs. BYU students are strongly encouraged to request experiential education funding through their home department and/or college and the ORCA program. Those who complete the financial aid section of the ISP application and file a current FAFSA form at BYU's Financial Aid Office (A-41 ASB) will also be considered for a need-based study abroad scholarship. Students may also pursue private grants and scholarships, including those listed online at kennedy.byu.edu/scholarships.

APPLICATION PROCESS

Students must be adults 18 years of age or older to participate. Applications are available online at kennedy.byu.edu/isp-apply. Students will be notified by their faculty director when they are accepted. The first payment is due upon acceptance.

Deadline: 31 January 2023

FACULTY DIRECTORS

Dr. Julianne Grose is an associate professor of Microbiology and Molecular Biology in the College of Life Sciences, where she runs the BYU Phage Hunters program. Her research focuses on the regulation of metabolism with a special interest on the microbiome, including phages. Her husband and two youngest children will join the program.

Dr. Mary Davis is an associate professor of Microbiology and Molecular Biology and a faculty of the Medical Laboratory Science (MLS) program at BYU. Her research focuses on the extraction of detailed clinical traits from electronic health records (EHR) and the genetic analysis of autoimmune diseases. Her husband and four children will join the program.

INTERESTED STUDENTS SHOULD CONTACT

International Study Programs
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Dr. Mary Davis
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PROGRAM ADJUSTMENTS

International Study Programs (ISP) reserves the right to cancel this program, revise its offerings, or make any adjustments to the preliminary cost. If it becomes necessary for ISP to cancel a program, all program payments made to BYU ISP will be refunded to the student's BYU financial account. ISP is the only office authorized to cancel any of its programs.