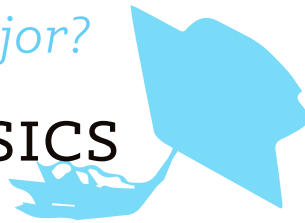


# What can I do with my Major?



## MATHEMATICS-PHYSICS

### UCONN DEPARTMENT: Mathematics

To learn more about this major check out the department website or schedule a meeting with an academic advisor.

### NATURE OF WORK

While mathematics in a broad sense is concerned with understanding patterns of all kinds, the mathematics-physics major focuses on the kinds of mathematical patterns that are important in physics. There are broad applications of physics in many industries, including manufacturing, computer technology, engineering, medicine, pharmaceuticals, and chemical companies. Research labs, higher education, and government also employ physicists. Those with training in both mathematics and physics are of interest to financial firms as well. Opportunities in academia often require a graduate degree.

Mathematics prepares graduates with transferable skills and qualities that can be beneficial in a variety of industries and careers.

### UCONN RESOURCES

Q Center  
Research Exposure and Education  
Development in STEM (REEDS)  
UConn Math Club  
UConn Physics Club  
Women in Math, Science, and  
Engineering (WiMSE)

Additional organizations (and the most current information) can be found at the UConn Student Activities website.

A liberal arts and sciences education develops critical thinking, written and oral communication, versatility and problem-solving skills, which are valuable in any career and will help students adapt to an ever-changing world.

### PROFESSIONAL ASSOCIATIONS & ADDITIONAL RESOURCES

American Mathematical Society  
American Physical Society  
American Institute of Physics  
American Astronomical Society  
American Vacuum Society  
American Association of Physicists in  
Medicine  
American Nuclear Society  
American Association of Physics  
Teachers  
Acoustical Society of America  
Mathematical Association of America  
Materials Research Society  
National Council of Teachers in  
Mathematics  
Optical Society of America  
Society of Exploration Geophysicists  
Society of Physics Students

### SAMPLE JOB TITLES

Visit *O\*Net* and conduct an Occupation Quick Search of each job title to learn more about that career path.

Aerospace Engineer  
Astrophysicist  
Atomic Physicist  
Cardiac Imaging Researcher  
Chemical Physicist  
Cost Estimator/Analyst  
Cryptologist  
Demographer  
Econometrician  
Financial Associate  
Geophysicist  
Health Physicist  
Inventory Control Specialist  
Mathematician  
Market Analyst  
Mathematical Physicist  
Medical Physicist  
Military Weapons Designer  
Nuclear Physicist  
Nuclear Plant Manager  
Numerical Analyst  
Optical Devices Designer  
Optical Physicist  
Plasma Physicist  
Quality Assurance Analyst  
Research Analyst  
Satellite Missions Analyst  
Science Writer/Editor  
Senior Technical Advisor  
Seismologist  
Software System Consultant  
Software Support Specialist  
Solid State Physicist  
Space Photographic Data Analyst  
Stratigrapher  
Teacher/Professor  
Technical Consultant