

COORDINATED DUAL DEGREE PROGRAMS

Penn's specialized dual degree programs offer students the opportunity to pursue an integrated curriculum jointly offered by two schools within the University. Program participants graduate from Penn with two degrees.

Computer and Cognitive Science School of Arts & Sciences/School of Engineering & Applied Science

Bachelor of Science in Engineering (BSE)/BAS and Bachelor of Arts (BA)

This program combines studies in computer science and engineering with linguistics, mathematics, philosophy, or psychology, and students receive a BSE or BAS degree from Penn Engineering and Bachelor of Arts from the College of Arts and Sciences. Requirements for the program are guided by the degree sought (BAS or BSE) and include 12-16 course units in Linguistics, Mathematics, Philosophy, or Psychology and 4 course units in a Foreign Language.

For more information, visit: <http://www.cis.upenn.edu/current-students/undergraduate/dual.php>.

Huntsman Program in International Studies and Business

School of Arts & Sciences/The Wharton School

BA in International Studies/BS in Economics

This innovative four-year joint degree program between the School of Arts and Sciences and the Wharton School combines a business education, liberal arts, and advanced language training in one of eleven languages of focus. It prepares students for global leadership in career paths around the world in diverse areas such as consulting, finance, medicine, politics, diplomacy, the non-profit sector, and entrepreneurship. Students must apply to the program when they apply to Penn; they cannot transfer into the program. Admission is highly competitive.

For more information, visit: <http://huntsman.upenn.edu/>.

Jerome Fisher Program in Management & Technology

School of Engineering & Applied Science/The Wharton School

BAS/BSE and BS in Economics

The Jerome Fisher Program in Management & Technology (M&T) is sponsored jointly by the School of Engineering and the Wharton School. The impetus for this joint-degree program came from the Board of Overseers of the School of Engineering and Applied Science. The Board of Overseers, a distinguished group of corporate executives and academicians, emphasized that an understanding the engineering and technology fundamentals is as essential to the background of future leaders in business and industry as a sound knowledge of management principles. They pointed to the growing need for people who can bridge the management and technical disciplines.

Undergraduate students enrolled in the M&T Program pursue degrees from both schools concurrently, creating a truly interdisciplinary learning experience. This combination enables students not only to understand engineering and business concepts but also the integration of the two and how this intersection distinctively shapes our world. M&T students pursue a Bachelor of Science in Economics from the Wharton School and either a Bachelor of Science in Engineering (BSE) or a Bachelor of Applied Science in Engineering (BAS) from Penn Engineering. The curriculum includes two special M&T linking courses that allow for added interdisciplinary learning opportunities. The common goal for all M&T students is the mastery of the technical and managerial skills necessary to define and solve problems in today's complex technological society. The structure of the joint-degree program gives each student considerable flexibility in meeting this goal. Particular attention is directed to the importance and processes of innovation in our technology-based industries.

For more information, visit: <http://www.upenn.edu/fisher/>.

Nursing and Health Care Management Program (NHCM)

School of Nursing/The Wharton School

Bachelor of Science in Economics/Bachelor of Science in Nursing (BSN)

Nurses with excellent clinical and administrative skills are in higher demand than ever. Our Nursing and Health Care Management Program (NHCM) gives you the chance to combine two of Penn's greatest assets: Penn Nursing and The Wharton School. In the NHCM program, you'll study simultaneously in both schools and graduate with a Bachelor of Science in Nursing and a Bachelor of Science in Economics. Your work will include science and clinical courses along with general education courses in the Arts and Sciences. We designed the curriculum to boost expertise in patient care and deepen your knowledge of how to manage the way that care is delivered. We also use a multidisciplinary approach that integrates nursing, business, and liberal arts. Students enrolled in the program have advisors at both Nursing and Wharton and complete this integrated academic and clinical program in five years.

For more information, visit: <http://www.nursing.upenn.edu/nhcm/>.

Roy and Diana Vagelos Program in Life Sciences and Management (LSM)

School of Arts & Sciences/The Wharton School

Bachelor of Arts (BA)/Bachelor of Science in Economics

On the surface, bioscience and business may seem like unrelated fields. But if the full benefits of science are to be realized, discoveries made at the laboratory bench must be taken to market and made accessible to society at large—a process that demands great skill both scientifically and managerially. Given the pace of recent advances in bioscience and biotechnology, never before has the need been so great for decision makers who can understand and advance scientific innovations as well as manage and promote them. It is with this in mind that the University of Pennsylvania launched the Vagelos Life Sciences & Management (LSM) program.

LSM is an undergraduate dual-degree program administered jointly between Penn's College of Arts & Sciences and the Wharton School. Each year, the program enrolls approximately 25 exceptional students and offers them the opportunity to pursue an interdisciplinary curriculum

combining bioscience and business, leading to the completion of two degrees: a Bachelor of Arts in a life science major and a Bachelor of Science in Economics. To ensure that every student learns how to apply their knowledge, the program provides the means for them to find two required, paid internships, one centered in scientific research and the other in business or public policy. Completion of the LSM program is an ideal starting point for students intent on careers in the life sciences sector by preparing them for advanced training, and we anticipate they will then go on to pursue through MD, PhD, MBA, JD, and/or other graduate programs. LSM is suited to students with interests in health care; biomedical, agricultural, and environmental research and development; public policy; and the financial and strategic management of life science organizations.

For more information, visit: <https://lsm.upenn.edu/>.

Vagelos Integrated Program in Energy Research (VIPER)

School of Arts & Sciences/School of Engineering & Applied Science

BA/BSE

The Vagelos Integrated Program in Energy Research (VIPER) enrolls talented, prepared, and motivated students interested in energy science and engineering. VIPER students receive instruction and state-of-the-art research experiences, enabling them to pursue advanced degrees in these fields and establish high-caliber research careers as innovators in the discovery and development of sustainable ways to harness, convert, and use energy. Candidates for the program apply as they seek admission to the University. A joint program of Penn's School of Arts and Sciences (SAS) and the School of Engineering and Applied Science (SEAS), VIPER leads to dual Bachelor of Arts (BA) and Bachelor of Science in Engineering (BSE) degrees by combining majors from each school. Possible combinations include: Physics and Astronomy, Chemistry, Biology, or Mathematics from SAS and Chemical and Biomolecular Engineering, Electrical Engineering, Materials Science and Engineering, or Mechanical Engineering and Applied Mechanics from SEAS. Some students may also apply for a master's degree through a fifth year of study.

For more information, visit: <https://www.viper.upenn.edu>.