WHY MAJOR IN MATHEMATICS?

Mathematics has commonly been recognized as the queen of science. But more than its role as a mere language and foundation of scientific studies and computing, Mathematics has now found an increasingly significant influence in many diverse fields, from management to medicine and from government to psychology.

An undergraduate degree in Mathematics will open the way to a future filled with wide opportunities for jobs and professions. More and more, government positions require skills involving the direct use of mathematics. In addition, mathematics professions such as actuaries, accountants, and statisticians are quite high in demand worldwide.

A major in Mathematics, furthermore, will make the person literate and knowledgeable in many fields by way of intellectual discipline. This alone will enable the person to make a positive contribution to society. It also prepares those who wish to pursue an advance degree in related fields like statistics, actuarial science, cryptography, or mathematical modelling.

GOALS OF A MATHEMATICS EDUCATION

More than preparing the students for future jobs, the goals of an education, and mathematics education in particular, should include the following objectives.

Learning to calculate, manipulate and solve problems
Learning to read with critical thinking
Learning to write with clear logic and to prove, defend, and explain what they write
Learning to think abstractly and creatively
Learning to formulate and test hypotheses
Learning to construct mathematical proofs and arguments
Learning to appreciate the beauty, power, and preciseness of mathematics

CAREER OPPORTUNITIES

A graduate in Mathematics can go for a teaching career, which is indeed both challenging and rewarding, or else they can easily fit into an advance study in almost any related field, whether basic sciences or social sciences. Outside the educational institution, a graduate with a Mathematics degree can find a job as

1. Actuarial Scientist
2. Statistical Analyst
3. Accountant
4. Crypto-analyst
5. Defense and Security Analyst
6. Various government positions

MATHEMATICS AT PHILADELPHIA UNIVERSITY

Our program is designed to make Mathematics both a strong discipline and fun. We integrate classroom technology into traditional and modern teaching methods. Our curriculum is slightly oriented toward producing well trained Mathematics teachers. However it will also accommodate those who wish to pursue careers in non-teaching work forces and/or graduate studies.

Our teaching staff are well qualified in their fields of specialties in both Pure and Applied Mathematics. These include Algebra, Analysis, Dynamical Systems, Mathematical Education, Mathematical Physics, Number Theory, Optimization Techniques, Statistics, and Topology.

COMPUTING TECHNOLOGIES AND FACILITIES

The learning environment at Philadelphia University provides the students with the following

1. Up-to-date classroom technologies
2. Main library supporting research facilities and hundreds of international journals
3. Computer laboratories: PC, LAN, UNIX, Workstation, Internet
4. E-Learning Phoenix Training Center
5. UNESCO Computer Training Program (ICDL)
6. CISCO Computer Training Center
7. Microsoft Training Center

ACADEMIC ACTIVITIES AND EVENTS

Special conferences

Weekly seminars on selected topics
Math Center offering free tutoring, stand-by helpers, teaching assistants
Monthly Math Quiz

CURRICULUM AND STUDY SYSTEM

An academic year is comprised of two compulsary semesters:
Fall Semester: from October to January
Spring Semester: from February to June
Summer Session (Optional): July and August

The university follows the credit-hour system. A total of 132 credit hours is needed for the B.Sc. Degree.

The maximum study load is 18 credit hours for Fall and Spring Semesters and 9 credit hours for Summer Session.

ADMISSION REQUIREMENTS

An overall average of 55% in the Tawjihi or equivalent. If required in exceptional cases, a personal interview will be conducted with the Faculty's admission committee.

TUITION FEES

The tuition fees are JD 50 per credit hour plus the following registration fees for morning programs:

JD 20 University fees (one-time payment)
JD 100 one-time refundable deposit

JD 120 semester fees, paid at the beginning of each Fall and Spring Semesters (JD 60 for Summer Session).

INFORMATION

To receive further information about the program, please do not hesitate to contact us.

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A Fully Accredited University

Philadelphia University

Established 1989
Jordan

Faculty of Science

Department of Basic Sciences

MATHEMATICS