GRADUATE STUDIES FACT SHEET

MATHEMATICS

PROGRAM OF STUDY

The master of arts in mathematics at West Chester University offers a mathematics option that provides the foundation for continued study of mathematics, professional work related to mathematics, and teaching advanced mathematics courses at the secondary school or junior college level. The program's core courses provide a broad base for deeper understanding of mathematics, while the electives are intended to accommodate individual interests. The department tries to match students with faculty members whose interests are similar.

The faculty consists of mathematicians with doctorates from prestigious universities with a variety of mathematical specialization areas. Several faculty are internationally known mathematicians who have many years of teaching experience and excellent teaching reputations.

A mathematics laboratory, equipped with up-to-date computers and highly rated mathematics software packages, is available for students' use.

During the fall, spring, and first summer session, all courses are taught in the late afternoon or evening. In the second summer session, classes are held during the day.

THE CURRICULUM

The program requires the completion of 11, three-credit courses totaling 33 graduate credits. After completing the courses, students will be required to pass a comprehensive examination or write a thesis.

I. Mathematics Core (9 semester hours)
    MAT 515   Algebra I (3)
    MAT 545   Real Analysis I (3)
    MAT 575   Complex Analysis I (3)

II. Mathematics Electives (21 semester hours)

    Students will choose electives, under advisement, from the following courses:

    MAT 513   Linear Algebra (3)
    MAT 514   Theory of Numbers (3)
    MAT 516   Algebra II (3)
    MAT 521   Discrete Mathematics and Graph Theory (3)
    MAT 532   Geometry I (3)
    MAT 533   Geometry II (3)
    MAT 535   Topology (3)
    MAT 546   Real Analysis II (3)
    MAT 570   Mathematical Models in the Life, Physical, and Social Sciences (3)
    MAT 572   Proseminar (3)
    MAT 593   Topics in the History of Mathematics (3)
    MAT 595   Topics in Mathematics (3)
    MAT 599   Independent Study (1–3)
    MAT 609   Thesis I (3)
    MAT 610   Thesis II (3)
    STA 505   Mathematical Statistics I (3)
    STA 506   Mathematical Statistics II (3)
    STA 525   Probability (3)

Course descriptions are in the Graduate Catalog, which is available online at www.wcupa.edu/_information/official.documents/graduate.catalog/.

ADMISSION REQUIREMENTS

Applicants should submit the following materials to the Office of Graduate Studies and Extended Education:

- Completed graduate application, including goals statement (apply online at www.wcupa.edu/grad)
- Official academic transcript(s) from all colleges and universities attended, demonstrating a GPA of 2.8 or better
- Scores from Graduate Record Exam (GRE)
- Scores from TOEFL (non-native speakers only); score of 79 on Internet-based exam or ILETS score of 6.5.
- Admission interview
- Evidence of an undergraduate background with a minimum of 30 semester hours of mathematics, including a full treatment of calculus, at least one advanced undergraduate course in modern algebra, and one in advanced calculus
- Two letters of recommendation

FOR MORE INFORMATION

Write: Office of Graduate Studies and Extended Education
        McKelvie Hall
        102 West Rosedale Avenue
        West Chester University
        West Chester, PA 19383

Call: 610-436-2943

Fax: 610-436-2763

E-mail: gradstudy@wcupa.edu

Web: www.wcupa.edu/grad

Visit: www.facebook.com/wcugrad

Or contact the department:

Write: Dr. Gail Gallitano, Graduate Coordinator
        Department of Mathematics
        25 University Avenue
        West Chester University
        West Chester, PA 19383

LEARN MORE

Call: 610-436-2452

E-mail: ggallitano@wcupa.edu

Web: www.wcupa.edu/_academics/
          sch_cas.mat

ABOUT GRADUATE STUDIES

West Chester University offers high-quality graduate degrees in more than 70 disciplines or areas of study, as well as certificate and certification programs. The graduate studies program has grown remarkably since its introduction in 1960. West Chester University's program is the largest within the 14 institutions in the Pennsylvania State System of Higher Education enrolling more than 2,100 graduate students.

Programs can be taken on a part-time basis, and most of the graduate classes are scheduled during late afternoons and evenings for the benefit of in-service teachers and other employed persons.

ABOUT WEST CHESTER UNIVERSITY

A regional, public institution, West Chester University of Pennsylvania offers high-quality undergraduate and graduate degrees, as well as certification and certificate programs, in more than 100 subject areas. As the second largest member of the State System of Higher Education, West Chester offers a full and rewarding educational experience as well as reasonable tuition.

With a rich heritage dating back to the 19th century, West Chester University was founded in 1871 as West Chester Normal School for the purpose of training teachers for the Commonwealth's newly established public schools. In 1960, West Chester State Teachers College expanded its programs to include liberal arts and graduate degrees and, as a result, dropped "Teachers" from its name. In 1983, West Chester State College became one of the 14 institutions in the State System of Higher Education. Along with its university status, the school acquired a new system of governance and the opportunity to expand its degree programs.

Today, more than 15,400 graduate and undergraduate students, as well as 1,500 faculty and staff, study and work on the 406-acre campus. Situated in the Borough of West Chester, the campus is a picturesque mix of Gothic, Victorian, and modern architecture with pleasant, tree-shaded walks.

Strategically located at the center of the mid-Atlantic corridor, West Chester University is just 25 miles west of Philadelphia and 17 miles north of Wilmington, Del. The campus is convenient to major cultural institutions, recreational activities, and commercial businesses, many of which provide internship opportunities for WCU's students.

West
Chester
University