
Intercollegiate Interdisciplinary Graduate Programs

Many graduate programs have an interdisciplinary dimension. The programs in this section are administered by the Division of Graduate Studies and/or by more than one college. Refer to the college sections for other interdisciplinary programs. For more information, see “Interdisciplinary Study,” page 151.

Business Administration—PhD

The interdisciplinary PhD degree in Business Administration with a concentration in agribusiness is administered by the Morrison School of Agribusiness and Resource Management and W. P. Carey School of Business. The objective of this program is to produce scholars who are trained in the latest methods of business and economic analysis as they relate to agribusiness. Graduates of the agribusiness concentration are prepared to assume teaching and research positions at top-ranked research universities. For more information, see the *Graduate Catalog*.

Creative Writing—MFA

The interdisciplinary MFA degree in Creative Writing (with options in fiction, nonfiction, playwriting, and poetry) is administered by the Creative Writing Committee. This studio/academic program involves the research, creative activity, and teaching interests of faculty within the Department of English and School of Theatre and Film. This program provides students with the opportunity to tailor a course of study to fit individual needs, talents, and goals. Students work under the direction of faculty who are practicing, published writers. For more information, see the *Graduate Catalog*.

Exercise Science—PhD

The interdisciplinary PhD degree in Exercise Science is administered by the Committee on Exercise Science. This individualized interdisciplinary degree integrates graduate courses from a variety of academic units to provide a sound foundation for research leading to a dissertation with concentrations in biomechanics, motor behavior/sport psychology, or physiology of exercise. For more information, see the *Graduate Catalog*.

Materials Science—MS

The interdisciplinary MS degree in Materials Science is administered by the Committee on the Science and Engineering of Materials. Faculty representing various disciplines provide a sound foundation for research leading to a thesis. Emphasis is placed on application of the core fundamentals for investigation of the relationships between syntheses, microstructure, physical and chemical properties, and the performance of solids in current technological applications. For more information, see the *Graduate Catalog*.

Science and Engineering of Materials—PhD

The interdisciplinary PhD degree in Science and Engineering of Materials is administered by the Committee on the Science and Engineering of Materials. Areas of concentration are available in high-resolution nanostructure analysis and solid-state device materials design. Emphasis is placed on the applications of chemical thermodynamics, the mechanics of solids, quantum mechanics and transport theory for investigation of the relationships between the microstructure and properties of solids, and the dependence of microstructures on processing. For more information, see the *Graduate Catalog*.

SCIENCE AND ENGINEERING OF MATERIALS (SEM)

Graduate-Level Courses. For information about courses numbered from 500 to 799, see the *Graduate Catalog*, or access www.asu.edu/catalog on the Web. In some situations, undergraduate students may be eligible to take these courses; for more information, see “Graduate-Level Courses,” page 62.

Statistics—MS

The interdisciplinary MS degree in Statistics is administered by the Committee on Statistics. The program involves faculty and resources from multiple academic units, including the School of Accountancy and Information Management and the Department of Mathematics and Statistics. Areas of emphasis include applied statistics, mathematical statistics, statistical computing, statistical modeling, and statistical sampling and survey research. For more information, see the *Graduate Catalog*.

CERTIFICATE PROGRAMS

A number of certificate programs are offered by various academic units or programs on campus (see the “ASU Graduate Certificates” table, page 131).

Atmospheric Science

The interdisciplinary certificate program in Atmospheric Science is administered by an Executive Committee composed of faculty from the Ira A. Fulton School of Engineering and the College of Liberal Arts and Sciences. The objective of this program is to recognize ASU graduate students who specialize in a thesis or dissertation topic related to the atmospheric or oceanic sciences. For more information, see the *Graduate Catalog*.

Geographic Information Science

The interdisciplinary certificate program in Geographic Information Science (GIS) is administered by an executive committee. The objective of this program is to enable existing ASU graduate students and GIS professionals with advanced degrees to learn how to apply GIS concepts and technology for the purposes of spatial analysis. For more information, see the *Graduate Catalog*.

INTERCOLLEGIATE INTERDISCIPLINARY GRADUATE PROGRAMS

Gerontology

The interdisciplinary Certificate in Gerontology is administered by the Committee on Gerontology at the West campus. This program is open to individuals who have earned a baccalaureate degree. Students enrolled in the certificate program may simultaneously pursue a major in an academic unit offering a graduate degree or may enter the program as nondegree graduate students. For more information, see the *Graduate Catalog*.

Transportation Systems

The interdisciplinary Certificate in Transportation Systems program is administered by the Committee on Trans-

portation Systems. The objective of this program is to enable existing ASU graduate students and transportation professionals with advanced degrees to examine transportation-related issues from a variety of perspectives and in the context of different travel modes. For more information, see the *Graduate Catalog*.

TRANSPORTATION SYSTEMS CERTIFICATE (TRC)

Graduate-Level Courses. For information about courses numbered from 500 to 799, see the *Graduate Catalog*, or access www.asu.edu/catalog on the Web. In some situations, undergraduate students may be eligible to take these courses; for more information, see "Graduate-Level Courses," page 62.



Regents' Professor of Art Kurt Weiser is part of the faculty that has established the ceramics program as one of the nation's best as ranked by *U.S. News and World Report*.

Tim Trumble photo