

2015

BGSU Graduate College 2015-2016 Catalog

Bowling Green State University

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2015-2016



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INTRODUCTION (ABOUT THE CATALOG)

This catalog is a guide to the programs, policies and curriculum that are part of graduate life at Bowling Green State University, a complex learning community. Students need to be aware of opportunities and requirements at several levels to guarantee that they take advantage of all that Bowling Green has to offer and can make steady progress toward academic goals.

The information in this catalog was last updated October 2015. All information in this catalog is subject to change. Except as specifically stated herein, Bowling Green State University makes no representation or contract that following a particular course or curriculum will result in specific achievement, employment or qualification for employment, admission to degree programs or licensing for particular professions or occupations.

Students are responsible for knowing all requirements and policies in this catalog, particularly the academic regulations contained in this catalog.

Students are also responsible for knowing all requirements and policies in their departmental/degree program publications.

The University reserves the right to change its course offerings, academic policies and requirements for the master's and doctoral degrees. To protect students from unnecessary penalty where changes in degree requirements occur, the following policies in regard to the Graduate Catalog are in effect:

- Regardless of their term of matriculation, students are typically governed by the policies in the most current annual catalog. Students are governed by the degree requirements in the annual catalog of their matriculation.
- Students may elect to complete a degree program under the most recent annual catalog. If this choice is made, the student must inform their graduate coordinator and the Graduate College, and complete all degree requirements specified in the selected annual catalog.

Courses are identified by a three- or four-letter abbreviation and a four digit number. Course descriptions are listed online in alphabetical order by course prefix. Current information about course offerings can be found on the BGSU web at the following location: [Class Offerings](#)

The semester schedule of classes should be used in conjunction with this catalog to determine course availability, because not every course is offered every semester. Class offerings for specific terms can be found on the BGSU web at the following location: [Class Offerings](#).

Changes

While every effort is made to provide accurate and up-to-date information, the University reserves the right to change, without notice, statements in the Bowling Green State University *Graduate Catalog* concerning rules, policies, fees, curricula, courses, or other matters.

Courses may be closed because of limited resources or facilities, or cancelled because of unavailability of faculty or insufficient enrollment.

Equal Access

Bowling Green State University is committed to equal opportunity for all and does not discriminate in admission or access to, or treatment or employment in, its programs and activities on the basis of race, sex, sexual orientation, color, national origin, ancestry, religion, age, marital status, disability, or status as a Special Disabled or Vietnam-era veteran. The Office of Equity & Diversity (OED), 140 McFall Center, is responsible for monitoring the University's compliance with federal and Ohio civil rights laws, including Title IX. This includes monitoring institutional education and employment practices and procedures, as well as investigating and resolving discrimination and harassment complaints. OED, along with Disability Services (DSS), is responsible for compliance with Sec. 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990.

ABOUT THE UNIVERSITY***University Administration****President*

Mary Ellen Mazey, Ph.D.

Senior Vice President for Academic Affairs & Provost

Rodney Rogers, Ph.D.

Chief Financial Officer and Vice President, Finance and Administration

Sherideen S. Stoll, CPA

*Vice President for University Advancement and President/CEO,
BGSU Foundation, Inc.*

T. Shea McGrew

Vice President for Faculty Affairs and Strategic Initiatives

William Balzer, Ph.D.

Division of Student Affairs

Sidney Childs, Interim Vice President for Student Affairs

Secretary to the Board of Trustees

Patrick Pauken, Ph.D.

Director of Intercollegiate Athletics

D. Christopher Kingston

Chief Human Resources Officer

Viva McCarver

General Counsel

Sean FitzGerald

Chief Marketing and Communications Officer

Dave Kiehmeyer

Chief of Staff, Office of the President

Lisa Mattiace

Vice President for Research and Economic Development

Michael Ogawa, Ph.D.

Chief Equity and Diversity Officer

Barbara Waddell

University Vision

Bowling Green State University aspires to be the premier learning community in Ohio, and one of the best in the nation. Through the interdependence of teaching, learning, scholarship, and service we will create an environment grounded in intellectual discovery and guided by rational discourse and civility. Bowling Green State University serves the diverse and multicultural communities of Ohio, the United States and the world, supported by:

- An extensive portfolio of distinctive undergraduate programs, focused on master's and specialist degrees and a select number of nationally recognized doctoral programs;

- Scholarly and creative endeavors of the highest order;
- Academically challenging teaching, fully connected with research and public service;
- Innovative academic planning that focuses on society's changing needs, student outcomes, and the appropriate integration of technology;
- An educational environment that develops culturally literate, self-assured, technologically sophisticated, productive citizens who are prepared to lead, to inspire and to preserve the great traditions of our democracy.

Core Values

The core values to which the University adheres include:

1. Respect for one another
2. Cooperation
3. Intellectual and personal growth
4. Creativity and innovation
5. Pursuit of excellence

History & Settings of the University

For History and Settings of the University please visit: [History and Settings](#).

ABOUT THE GRADUATE COLLEGE**Graduate College Administration**

*Vice President for Research and Economic Development and
Dean of the Graduate College*
Michael Ogawa, Ph.D.

Associate Dean
Margaret Z. Booth, Ph.D.

Associate Dean
Alexander Goberman, Ph.D.

Director of Graduate Enrollment
Keith Ramsdell

Coordinator of Graduate Recruitment and Orientation
Sheri Leatherman

Address correspondence to:

The Graduate College
120 McFall Center
Bowling Green State University
Bowling Green, Ohio 43403-0180

General Contact Information:

The Graduate College
Phone: 419-372-2791
Fax: 419-372-8569
Email: gradcol@bgsu.edu
Web: <http://www.bgsu.edu/graduate.html>

Graduate College Calendar

Individual programs may establish earlier deadlines or guidelines for associated activities (e.g., signing up for comprehensive exams, submitting preliminary drafts of theses and dissertations, final examinations, etc.). The appropriate program handbook, or graduate coordinator, should be consulted. Students are reminded that it takes time to read theses, dissertations, and examinations with the rigor and care they deserve. Graduate College established dates and deadlines can be viewed by linking to **BGSU Graduate College Dates to Remember** on the following webpage: [Dates to Remember](#).

Purpose of the Graduate College

The goal of graduate education is to develop the resourcefulness and responsibility of post-baccalaureate individuals by furthering in them the ability to effectively handle the materials of their field and related human interactions, and to critically use the reports of others, judging both their value and their limitations.

Graduate study involves mastering levels of complexity and generalization that reflect and extend the knowledge and intellectual maturity of accomplished baccalaureate degree holders. Moreover, graduate study must occur in the company of students interested and capable enough to analyze, explore, question, reconsider, and synthesize old and new knowledge and skills.

Graduate work is, therefore, much more than the passing of a particular number of courses and the fulfillment of certain minimum requirements. One of the important goals of the Graduate College is to help students make the best use of the University's resources in their pursuit of a mature and thorough understanding of significant problems. Students should consider themselves co-workers with other students, scholars, and teachers in cooperative intellectual endeavors on a high level.

The Dean of the Graduate College reports directly to the Senior Vice President for Academic Affairs and Provost. As stated in the Academic Charter, the duties of this position include responsibility for:

- "providing academic leadership to ensure that the highest possible quality is achieved and maintained in teaching, research, and degree-granting functions of the Graduate College;" and
- "coordinating the operations of the Graduate College with those of other units of the University and of agencies outside of the University."

Under the leadership of the Graduate Dean, the Graduate College carries out University and faculty policies regarding graduate education and research. It has oversight responsibilities for graduate program quality and the recruitment and admission of high caliber graduate students. The Graduate College also appoints the graduate faculty and allocates graduate student assistantship funds to Colleges and Departments, communicates with the office of Enrollment Management staff who create graduate assistantship contracts.

For a complete listing of the Graduate College staff, please visit [Graduate College Staff](#).

Graduate Faculty

The Graduate Faculty is composed of those members of the University faculty who are actively engaged in creative activity/research and teaching at the graduate level. Membership constitutes recognition of scholarly excellence and professional creativity.

Members of the Graduate Faculty may teach courses at the 5000 through the 7000 levels, serve as members of master's and doctoral committees, direct master's theses and doctoral dissertations, vote in Graduate College elections, and serve on the Graduate Council. Duties and privileges of Graduate Faculty are described in Article VIII of the [Academic Charter](#). In order to maintain the Graduate Faculty as a viable body, the qualifications of the members are reviewed periodically.

The Graduate Coordinator

The Graduate Coordinator serves as the liaison between the Graduate College and the degree program on all matters relating to graduate study and graduate students in the degree program.

Graduate Council

The Graduate Council considers proposals for the establishment, modification, or discontinuance of graduate programs; ensures that reviews and evaluations of all graduate degree programs are conducted periodically; establishes standards for graduate faculty status and approves credentials; and reports regularly to the Faculty Senate through the Committee on Academic Affairs on the issues discussed and on actions taken by the Graduate Council.

Project Search

Bowling Green State University values institutional diversity. To further that ideal, [Project Search](#) is a Graduate College program that celebrates diversity, promotes civility, encourages inclusion, embraces healthy interdependence, and positively influences the BGSU learning community to discourage discrimination and harassment.

Project Search is a model of BGSU's commitment to diversity. The program assists students in the achievement of academic and professional goals. Current graduate students often comment that the personal attention, prompt follow-up, financial aid information and other assistance they received are among the factors that influenced their decision to choose BGSU. The ongoing services

and activities sponsored by Project Search also help students settle more comfortably into University life.

Prospective students are encouraged to contact the Assistant Dean for Graduate Studies and Director of Project Search at the Graduate College in 120 McFall Center.

GRADUATE ADMISSIONS

<http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Graduate-Admissions.pdf>

Application Timeline

Suggested Timeline for Applicants Entering Fall Semester

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Test of English as a Foreign Language (TOEFL)

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<http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Financial-Information-and-Assistance.pdf>

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ACADEMIC INFORMATION*General Information*

Tentative Degree Program (TDP)/Degree Audit (DARS) <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Tentative-Degree-Program-TDP-Degree-Audit-Report-System-DARS.pdf>

Requirement Changes

Transcripts <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Transcripts.pdf>

Enrollment and Registration <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/enrollment-and-registration.pdf>

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Academic Honesty <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Academic-Honesty.pdf>

Graduate Courses for Advanced Undergraduates <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Advanced-Undergraduates.pdf>

Credit by Examination

Grading Policies <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Grading-Policies.pdf>

Unit of Credit

Grading System

Grading Options- Graduate Courses

Grading Options- Undergraduate Courses

Incomplete Policy

Academic Progress, Probation, and Dismissal <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Academic-Progress-Probation-Dismissal.pdf>

Time Limits for Degree and Revalidation <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Time-Limits-for-Degree-and-Revalidation.pdf>

Credit Transfer <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Credit-Transfer.pdf>

Transfer of BGSU Graduate Credit Taken as an Advanced Undergraduate

Transfer of External Graduate Credit

Restrictions on Transfer or Approval of Credit

Leave of Absence <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Leave-of-Absence.pdf>

Appeals Policies <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Appeals-policies.pdf>

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Posthumous Awarding of a Graduate Degree <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/posthumous-awarding-of-a-graduate-degree.pdf>

- Guidelines for Consideration*
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- Posthumous Awarding a Degree*
- Extraordinary Circumstance*
- Additional Recognition of Deceased Students*

Information Technology Policy for BGSU

Health Insurance <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Health-Insurance.pdf>

*Non-Resident Regulations**Numbering System for Courses**Professional Development Opportunities**Registration and Records Policies*

- Family Educational Rights and Privacy Act of 1974*
- Change of Address*
- Change of Personal Information*
- Veterans Affairs office*
- Certifications*
- Motor Vehicles*

Student Research and Research Support <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Student-Research-and-Research-Support.pdf>

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- Katzner Awards for Graduate Student Research and Professional Development*
- Shanklin Award*
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ADVISING SYSTEM

Careful planning of a degree program is important for all graduate students, and especially vital for those who spread graduate work over more than one year. For this reason, incoming graduate students need to know their responsibilities as well as those of the program and the Graduate College.

Student Responsibilities

Each student is responsible for meeting the specific degree requirements outlined in this catalog and the deadlines published under "Academic Regulations," also in this catalog.

Graduate Advisor

Students have a graduate advisor (also called a major professor) who is the primary academic, intellectual contact for the student. This advisor and the graduate student work together in their creative activity/research. The graduate student receives guidance from this advisor as well as from the examining and thesis or dissertation committee when appropriate.

Graduate Coordinator

In addition, each program has a graduate coordinator whose duties include informing graduate students about the policies, practices, and deadlines of the Graduate College. This person is responsible for monitoring the academic progress of each student throughout his or her degree program. The graduate coordinator also provides various kinds of written certification of a student's degree progress which are subsequently posted in the official records of the Graduate College and Office of Registration and Records. Specific requirements about the various steps in matriculation toward the degree are available from the program's graduate coordinator and the Graduate College.

Graduate College

The Graduate College serves primarily as a monitor of the student's progress toward a degree and is the coordinator of activities that are beyond the scope of the program.

International Student Services

International Student Services provides non-immigrant student advising, work authorization and advising, advocacy, on-boarding, programming and personal support for international graduate students. The Office is the liaison with the U.S. Department of State, US Citizenship and Immigration Services and the Department of Homeland Security concerning student immigration issues. ISS also serves the BGSU community as a resource for international recruitment and transcript evaluation, as needed. The

International Student Services Office is located at 219 University Hall.

DISTANCE EDUCATION**Graduate Online and Blended Programs**

Master of Arts in Teaching Biology - Interdisciplinary Studies Specialization
 Master of Arts in English, Plan II (non-thesis)
 Master of Education in Business Education (see Workforce Education and Development)
 Master of Education in Classroom Technology
 Master of Education in Curriculum and Teaching
 Master of Education in Educational Administration and Supervision (Blended Program)
 Master of Education in Learning Design
 Master of Education in Reading
 Specialist in Education in Educational Administration and Supervision (Blended Program)
 Master of Education in Special Education: Assistive Technology
 Master of Education in Special Education: Autism Spectrum Disorders
 Master of Education in Workforce Education and Development
 Master of Food and Nutrition
 Master of Science in Criminal Justice
 Master of Technology Management: Construction Management
 Master of Technology Management: Engineering Technology
 Master of Technology Management: Quality Systems
 Executive Master of Organization Development (Blended Program)
 Executive Master of Business Administration (Blended Program)
 Ph.D. in Technology Management

Graduate Certificates and Endorsements

Assistive Technology Certificate
 Autism Spectrum Disorders Certificate
 Bioinformatics, Proteomics/Genomics
 Building Level Leadership
 Computer Technology Endorsement Certificate
 Construction Management
 District Level Leadership
 Early Childhood Education 4/5 Generalist Endorsement
 Ethnic Studies
 Food and Nutrition Certificate
 Geospatial Technology
 K-12 Online Teaching and Learning
 Middle Childhood 4-6 Endorsement
 Ohio Reading Endorsement Program (Blended Program)

PreK-12 Reading Endorsement
 Performance Studies Certificate
 Public History
 Quality Systems Certificate
 Secondary Transition
 Teaching English to Speakers of Other Languages Certificate
 (TESOL) (Blended Program)
 Technical Writing Certificate
 Women's Studies Certificate (Blended Program)

A current list of online and blended programs can also be found at:
[Online & Blended Programs](#).

EDUCATOR LICENSURE/PROFESSIONAL CERTIFICATION

Achieving educator (i.e., teacher, administrator, or pupil services) licensure or a professional certification (e.g., in industry-recognized clinical areas) is commonly associated with successful completion of a specified course of study and additional criteria (e.g., passage of State-mandated examinations or verification of associated professional work experience), which may be separate from the completion of a graduate degree. Students who earn a graduate degree, therefore, may not have met the requirements to be eligible for licensure/certification. Consequently, it is the student's responsibility to consult with the appropriate licensing/certifying agency and/or the associated BGSU office or program director concerning the requirements for the desired license or certificate. The Graduate College bears no responsibility for an individual's completion of licensure or certification requirements.

GRADUATE STUDENT SENATE

The [Graduate Student Senate](#) (GSS) is an appointed body, composed of and administered by graduate students, with the objective of representing the interests of graduate students at Bowling Green State University. GSS serves an important role as liaison between University administration, including the Graduate College, and graduate students. Each graduate program and graduate student organizations are afforded representation in the Graduate Student Senate. GSS maintains representation on various standing committees of the University. In addition to its involvement in academic, social, and financial issues, GSS coordinates a variety of cultural, educational, and recreational events throughout the year. GSS General Assembly holds a minimum of six (6) meetings, which are open to the public, in both the fall and spring semester; the meeting schedule can be found on the [GSS website](#). The Senate's office is located in 402 Bowen-Thompson Student Union, (419) 372-2426.

GRADUATION – APPLICATION AND MINIMUM REGISTRATION

<http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Graduation-Application-and-Minimum-Registration.pdf>

POSTHUMOUS AWARDING OF A GRADUATE DEGREE

<http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/posthumous-awarding-of-a-graduate-degree.pdf>

INFORMATION TECHNOLOGY SERVICES

209 Hayes Hall

<http://www.bgsu.edu/its>

419-372-2911

Information Technology Services (ITS) at BGSU is committed to supporting the technology needs of students, faculty and staff. A sampling of ITS provided technology resources is outlined here with additional information available on the web at:

<http://www.bgsu.edu/its>.

Upon admission to BGSU, students receive a BGSU account that provides access to BGSU email and MyBGSU - the enterprise campus Web portal.

The MyBGSU portal accessible at <https://my.bgsu.edu/home> provides students with academic and administrative information including class scheduling, grades, progress reporting, advisor information, financial aid information and the means to process Bursar payments. MyBGSU is also the mechanism to access the Canvas learning management system.

Graduate students are provided with BGSU email. Graduate Students can expect that official University correspondence will be distributed via email and graduate students will be responsible for information disseminated in this manner. Graduate Students are encouraged to access their email on a regular and timely basis. View the [email technology guide](#) that will provide more information about accounts and navigation.

The BGSU Student Email Policy may be referenced at <http://www.bgsu.edu/its/it-policies.html> for more information about the BGSU email account and navigation.

The Technology Support Center (TSC) is the central point of contact for questions regarding technology on campus. TSC is

located in 110 Hayes Hall and may be contacted by phone at 419-372-0999, by live chat at <http://www.bgsu.edu/its/remote.html>, or by visiting the office. The TSC website, www.bgsu.edu/tsc, provides general information about hardware, software and other services provided by ITS. The website also provides links to technology guides and relevant links that may assist in answering questions about a particular application or service.

In addition to being a location for security resources, BGSU's Information Security Office provides users with data protection information and offers a Data Destruction & Recycling service. The Information Security website also supplies information on data security and security resources. For the most recent information, see the Information Security website at www.bgsu.edu/infosec

Wireless access to the network is provided at strategic campus locations. The wireless coverage area is continually examined, evaluated, and expanded as appropriate. Information about the method to authenticate to the wireless network is available at: <http://www.bgsu.edu/its/services/network/wireless.html>

Student printing in campus locations is covered under the Print Responsibly program. There is a cost associated with printing and details are available by referencing <http://www.bgsu.edu/its/services/print/print-responsibly.html>.

Computer labs located throughout campus provide access to technology for general computing applications. Information about ITS computer lab locations and hours is available at <http://www.bgsu.edu/its/services/computer/labs.html>.

In order to ensure the University's commitment to a quality educational and work environment, every faculty member, employee and student is to abide by the BGSU Information Technology Policy. The policy may be found at <http://www.bgsu.edu/its/it-policies.html>.

HEALTH INSURANCE

<http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Health-Insurance.pdf>

NON-RESIDENT REGULATIONS

For information regarding nonresident/resident regulations visit <http://www.bgsu.edu/registration-records/records-services/state-subsidy-tuition-surcharge-purposes.html>

NUMBERING SYSTEM FOR COURSES

Courses numbered 5000-7990 are for graduate students only. Courses at the 7000-level are intended primarily for doctoral students. Courses at the 6000-level are intended primarily for master's degree students. Courses at the 5000-level may be cross-listed with 4000-level undergraduate courses.

PROFESSIONAL DEVELOPMENT OPPORTUNITIES

Graduate Student Orientation (GSO) is a two part series of seminars that is intended to promote graduate student success and community engagement by: 1) acclimating new graduate students to essential campus resources; and 2) ensuring students with graduate assistantships are in compliance with Bowling Green State University employment policies and procedures. All graduate students, as well as faculty, are welcome to attend these sessions.

[Cooperative education and internships](#) provide an opportunity to for students to gain professionally relevant experience in business, industry, government, or nonprofit organizations. Academic credit may be awarded for the off-campus work experience, subject to approval from the academic area and the Graduate College.

Cooperative education (co-ops) offers "earn-while-you-learn" opportunities that take you beyond the classroom to a wide range of companies and organizations in locations around the country. Co-ops can help you pay tuition, get on-the-job training and enrich your education. Internships offer a venue to apply classroom content to the work environment. Students with any major can complete co-ops or internships at BGSU.

The [Career Center](#) can help students identify and document cooperative education and internship experiences.

REGISTRATION AND RECORDS POLICIES

Family Educational Rights and Privacy Act of 1974 (FERPA)

Provides student with access to educational records that include personally identifiable information, and limits the release of such information without the student's explicit consent. The University has developed a policy governing the inspection, review, and release of such information obtained in a student's educational record. This policy is based upon regulations issued by the federal government. The Student Records Policy can be found in the Student Affairs Handbook which is distributed by the Division of Student Affairs, 107 Conklin North, BGSU main campus.

Change of Address

Students may maintain their home and local (mailing) address through MyBGSU with a valid BGSU account.

Change of Personal Information

Changes to student personal information should be reported to the Office of Registration and Records. The documents used to verify your new or current name include a social security card or a passport. These are the only acceptable documents, whether presented in person, mail or fax; or presented to a notary when requesting a change by mail or fax. Copies may be provided in lieu of originals. For further information refer to:

<http://www.bgsu.edu/offices/registrar/page5616.html>

Veterans Affairs Office

The Veterans Affairs Office is located in the Office of Registration and Records. The Office certifies all students eligible for Veterans Affairs educational benefits under Chapters 33 (Post 9/11 Bill), 30, and 35 (Title 38, United States Code), and 1606 and 1607 (Title 10, United States Code). Questions should be directed to the Office of Registration and Records, 110 Administration Building or at VABenefits@bgsu.edu

Certifications

Certifications for loan deferments, good student car insurance discounts, health insurance, and degree, scholarship, and enrollment verifications are processed in the Office of Registration and Records, when requested by the student.

Motor Vehicles

Students who operate a motor vehicle while enrolled in the University must comply with state and University motor vehicle regulations. A brochure containing these regulations is available at the Parking Services, 1 College Park.

STUDENT RESEARCH AND RESEARCH SUPPORT

<http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Student-Research-and-Research-Support.pdf>

AWARDS**Distinguished Thesis and Dissertation Awards**

The Graduate College grants a Distinguished Thesis and a Distinguished Dissertation Award annually to honor outstanding research at the master's and doctoral levels. These awards consist of a student honorarium, a certificate of citation, and an award of recognition for the thesis/dissertation advisor. In addition, award winners automatically become the Graduate College nominee for

various other regional and national awards. For more information about the awards and nomination procedures, contact the Graduate College.

Katzner Awards for Graduate Student Research and Professional Development

The Katzner Awards for Graduate Student Research and Professional Development are designed to supplement costs for graduate student research (project, thesis, or dissertation) and professional development activities. Proposals will be evaluated based on their ability to promote high quality, independent research. Up to 20 (10 in Spring and 10 in Fall) awards of no more than \$1000 may be awarded each year.

Any fully admitted graduate student who is currently enrolled and in good academic standing is eligible. Graduate Departments and Programs may submit up to one application per semester. Students are not eligible for this award during the semester in which they graduate.

From each program one master's degree student and one doctoral degree student will be permitted for consideration. The graduate coordinator for each program should select the applicants that will enter the competition.

A faculty committee will evaluate the quality of research, contribution to professional development of the student, and appropriateness of budget request.

Shanklin Award

The Graduate Student Senate supports the annual Shanklin Award competition, which recognizes outstanding original research by graduate students in three areas: arts and humanities; social and behavioral sciences; and sciences and mathematics. Finalists give public presentations on their research and are eligible to receive cash awards for first and second places. Review committees for the competition, which takes place during the spring semester, are comprised of BGSU faculty members. Please visit the Graduate Student Senate website at <http://www.bgsu.edu/student-government/graduate-student-senate.html> for more information about this award process.

Graduate Student Senate Funding for Professional Development (FPD)

The Graduate Student Senate offers supplemental financial support to BGSU graduate students who participate in professional development activities (i.e. conferences, workshops,

recitals, etc.). The application process for the Funding for Professional Development (FPD) takes place in the fall, spring, and summer semesters. Please visit the Graduate Student Senate website for more information: <http://www.bgsu.edu/student-government/graduate-student-senate.html>.

TRANSCRIPT NOTATIONS

Transcript designations for specializations can be made on a graduate student's record only when the specialization has been formally approved by the Graduate Council and specifically identified on the TDP/DARS.

WORKSHOPS AND NON-TRADITIONAL COURSES

The total number of graduate credit hours earned in conferences, institutes, lecture series, workshops, and other nontraditional

modes that may be counted toward a graduate degree at the University shall not exceed nine credit hours. This credit-hour limitation is designed to provide an appropriate balance among the various types of learning experiences within a student's graduate degree program.

FOR OTHER INFORMATION

For the benefit of students and others in the University community, and in compliance with state and federal requirements, the University regularly makes informational reports available. These include information required by the Campus Security Act and the Equity in Athletics Disclosure Act, as well as information regarding drug and alcohol abuse prevention. Contact the Office of the Provost and Vice President for Academic Affairs

GRADUATE DEGREES OFFERED

Doctoral Requirements <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Doctoral-Requirements.pdf>

Doctor of Philosophy, Doctor of Education, and Doctor of Musical Arts

Admission

Residence Requirements

Credit Hour Requirements

5000-Level courses

Language Requirement

Doctoral Committee

Graduate Faculty Representative

Examinations

Preliminary Examination

Re-Examination

Candidacy

Final Examination (Dissertation Defense)

Retaking the Final Exam

Deadlines

Publication of Dissertation

Consortium Ph.D. in Technology Management

Interdisciplinary Doctoral Degree

Master's Degree – General Requirements <http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Masters-degree-General-Requirements.pdf>

Types of Programs

Credit Hours

Level of Work

Residence Requirements

Time Limits for Degree and Revalidation

Suggested Timeline for One-Year Master's Students

Plan Options for Master's Degrees

Selecting Plan I or Plan II

Plan I: Master's Thesis

Thesis Committee

Approval of Thesis Topic

Thesis Drafts and Abstract

Final Examination

Minimum/Continuous Registration

Plan II: Non-Thesis Option

I Interdisciplinary Master's Degree

Plan I

Plan II

Second Master's Degree

Dual Master's Degree

Joint or Cooperative Degrees

Master of Accountancy

Master of Architecture

Master of Arts

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Plan I

Plan II

Master of Arts in Teaching

Master of Business Administration
 Master of Education
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 Plan II
 Master of Fine Arts
 Master of Fine Arts in Art
 Master of Fine Arts in Creative Writing
 Master of Food and Nutrition
 Master of Music
 Master of Organization Development
 Master of Public Administration
 Master of Public Health
 Master of Science
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 Plan I
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 Master of Science in Analytics
 Master of Science in Criminal Justice
 Master of Science in Interdisciplinary Gerontology
 Master of Technology Management
 Specialist in Education
 Admission Procedure
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 Completion of Work
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 Assistive Technology
 Autism Spectrum Disorders
 Bioinformatics, Proteomics/Genomics
 Building Level Leadership
 Computer Technology Endorsement
 Construction Management
 District Level Leadership
 Early Childhood Education 4/5 Generalist Endorsement
 Ethnic Studies
 Food and Nutrition
 Geospatial Technology
 International/Intercultural Communication
 K-12 Online Teaching & Learning Certificate
 Middle Childhood Generalist Endorsement 4-6
 PreK-12 Reading Endorsement
 Performance Studies
 Public History
 Quality Systems
 Secondary Transition Certificate/Transition-to-Work Endorsement
 Social & Interactive Media
 Teaching English to Speakers of Other Languages (TESOL)
 Technical Writing
 Women's Studies

DOCTORAL DEGREE REQUIREMENTS

<http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Doctoral-Requirements.pdf>

MASTER'S DEGREE REQUIREMENTS

<http://www.bgsu.edu/content/dam/BGSU/general-counsel/documents/Masters-degree-General-Requirements.pdf>

MASTER OF ACCOUNTANCY

The Department of Accounting and Management Information Systems offers a program of study leading to the Master of Accountancy degree. The mission of the Master of Accountancy (M.Acc.) program is to build upon the base of knowledge obtained at the baccalaureate level, and to further nurture the personal and professional development of those interested in areas relevant to the practice of public or corporate accounting.

Students complete a minimum of 30 semester hours including 15 hours in the professional core, a minimum of nine hours in a track specialization, and three to six hours of electives. The core requires course work in international business, communications, ethics and professional responsibilities for accountants, advanced financial reporting, global business issues (unless previously studied), and professional practice issues. Students elect to specialize in one of three areas. The information systems auditing and control track includes courses in data communications, information systems auditing and control, IT security, and systems analysis and design. The accounting and auditing track includes study in financial accounting, business assurance services, and advanced information systems for accountants. The taxation track courses include federal taxation and management decisions, estate planning, and taxation of partnerships/flow-through entities. Students select one or two elective courses to complement their track specializations.

A detailed description of the Master of Accountancy program and tracks is found under the heading of Master of Accountancy in the "Graduate Programs" section of this catalog.

MASTER OF ARCHITECTURE

The Master of Architecture (M.Arch.) program is for students who intend to become licensed architects. The two-year professional Master of Architecture builds on the four-year pre-professional B.S. in Architecture degree currently in operation—or its equivalent from other institutions.

The Master of Architecture is a professional degree (a minimum 52 semester hours of credit) program that revolves around the concentrations of digital media in design and practice, urban and community design, and architectural history and historic preservation. These concentrations integrate entrepreneurial theories and strategies to advance architectural design and practice. An important feature of the program is the Applied

Entrepreneurship which requires an internship in an organization with significant ongoing entrepreneurial initiatives.

Additional information about the Master of Architecture program is found under the heading of Architecture and Environmental Design in the "Graduate Programs" section of this catalog.

MASTER OF ARTS

The Master of Arts (M.A.) degree offers students an opportunity for deeper experience in subject matter fields of the arts and sciences. Students may major in the following fields: Master of Arts (M.A.) American Culture Studies; Art History; College Student Personnel; Cross Cultural & International Education; Financial Economics; English (English Literature, Face to face, Online); French; German; History; Mathematics (Applied Mathematics-Scientific Computation, Mathematics, Statistics); Media and Communications; Mental Health Counseling; Philosophy; Political Science (dual degree with German only); Popular Culture; Psychology (Clinical, Developmental, Experimental, Industrial/Organizational, Quantitative); Social Psychology; Sociology (Applied Demography, Population Studies); Spanish; Theatre. Specific admission procedures and degree requirements are outlined in the major field descriptions. To locate major field descriptions in the "Graduate Programs" section, consult the Graduate Catalog index.

Degree Requirements

Two plans are offered for the Master of Arts degree:

Plan I

Candidates under Plan I must complete an approved program of not less than 16 semester hours in the major field of study and a formal thesis in a minimum 30-hour degree program. Any exception to the major requirement must be approved by the graduate coordinator and the dean designate of the Graduate College. A department must require a written and/or oral final examination, not necessarily on the thesis, for students in Plan I. The following departments have a foreign language requirement

as part of the Plan I M.A. program: Art (in the art history specialization only), French, History, Political Science, and Spanish. Philosophy has the requirement in both M.A. plans.

Plan II

Candidates under Plan II must complete a minimum of 30 semester hours of approved credit. Of the 30 hours, 21 must be in the student's major field and must include at least the equivalent of two semester hours of research or methods course work. A nine semester-hour minor or cognate field outside of the major field or department may be included under Plan II. Candidates must pass a final written comprehensive examination covering studies included in the field of study no later than two weeks before commencement. The examination may be taken when the student has achieved a minimum cumulative grade point average of 3.0 and has approached completion of all course work in the major. Any student who fails the comprehensive examination may, upon recommendation of the graduate committee and approval of the dean designate of the Graduate College, be granted permission to take a second examination. A student may not change from Plan II to Plan I after having failed the comprehensive examination. Upon failing a second examination, the student is dropped from the Graduate College.

MASTER OF ARTS IN TEACHING

The Master of Arts in Teaching (M.A.T.) degree is for individuals planning to continue a teaching career. The program is available only to individuals who hold a valid teaching license.

M.A.T. degree candidates may major in the following fields: Biological Sciences, French, German, History, Mathematics, Physics, and Spanish. Specific admission procedures and degree requirements are outlined in the major field descriptions. To locate major field descriptions in the "Graduate Programs" section, consult the Graduate Catalog index.

The M.A.T. is designed to meet the needs of classroom teachers who:

1. may not require the type of academic preparation currently provided in programs leading to the Master of Arts or Master of Science degrees in their teaching area;
2. desire to pursue course work in a discipline in order to improve teaching proficiency;
3. can profit from additional professional course work in pedagogy, curriculum development, and educational foundations;
4. want to update their knowledge and proficiency in the use of research as it relates to their teaching areas.

Applicants to the M.A.T. degree program must have had at least one year's teaching experience and must hold a valid teaching certificate from the state in which they are teaching.

Degree Requirements

The M.A.T. degree requires candidates to:

1. complete 21 to 27 semester hours in a major field. In certain cases these hours may be an interdisciplinary major. At least one of the courses in the major must be a seminar at the 6000 level or above;
2. complete eight to 13 semester hours in professional education, including one course in pedagogy. Candidates who wish a strong supporting area in reading may elect appropriate courses at the 6000 level in education;
3. complete 35 semester hours of acceptable graduate course work with a cumulative grade point average of 3.0 or better;
4. accumulate not more than seven semester hours for course work with grades less than "B"; and
5. pass final capstone experience or experiences (e.g., written comprehensive examination, research paper, portfolio, academic equivalent). See your program handbook for specific requirements.

See discipline specific handbooks for details of degree program requirements.

MASTER OF BUSINESS ADMINISTRATION

The Master of Business Administration (M.B.A) degree features a broad, integrated curricula designed to prepare individuals for roles as creative leaders in an increasingly dynamic and global business environment by broadening their knowledge, vision, and perspective and enhancing their managerial skills. The degree stresses an understanding of the major facets of business operations and emphasizes various aspects of business decision making, including the social, political, and economic implications of those decisions.

The M.B.A. degree is offered in the College of Business Administration in Full-time, Professional, and Executive formats. The Full-time program serves primarily students with limited work experience and admits students only once per year, is offered in a cohort format, and features a series of skill seminars. The program

currently features specializations in accounting, finance, and supply chain management. The Professional M.B.A. program serves students who are working full-time. The Professional program offers classes Monday through Thursday evenings, and moves students through the courses in a prescribed sequence as a cohort. The Executive M.B.A. (EMBA) program serves students with more extensive professional experience and an ongoing career. The EMBA program permits students to begin in September, is “lock-step”, meets one weekend per month (Friday, Saturday, and Sunday), requires 11 courses, and includes a one-week international field trip.

All three of the programs are designed to serve students with or without an undergraduate degree in business and attract participants from business, engineering, the applied sciences, liberal arts, medicine, and other fields. The faculty for the M.B.A. degree consists of graduate faculty members from all of the College of Business Administration departments: Accounting and Management Information Systems, Applied Statistics and Operations Research, Financial Economics, Finance, Legal Studies, Management, and Marketing.

More detailed descriptions of the three M.B.A. programs are found under the heading of Business Administration in the “Graduate Programs” section of this catalog.

MASTER OF EDUCATION

The primary purpose of the Master of Education (M.Ed.) program is to enable students to achieve a high level of competence in fulfilling various professional roles in education and allied fields. Students may major in the following fields: Classroom Technology, Curriculum and Teaching, Educational Administration and Supervision (EFLP), Kinesiology (HMSLS), Learning Design, Leisure and Tourism (HMSLS), Reading, School Counseling, Special Education, Sport Administration (HMSLS), Teacher Education, and Workforce Education and Development. Specific admission procedures and degree requirements are outlined in the major field descriptions. To locate major field descriptions in the “Graduate Programs” section, consult the Graduate Catalog index.

Degree Requirements

Two plans are offered for the Master of Education degree:

Plan I

Candidates under Plan I must complete a minimum of 30 semester hours of credit, which may include three courses in related disciplines. These 30 hours must include an approved major of 15

to 21 semester hours and a formal thesis experience. Students must pass a final written and/or oral examination on the thesis.

Plan II

Candidates under Plan II must complete a minimum of 33 semester hours of credit, which may include three courses in related disciplines. Students must present an approved major of 15 to 21 semester hours. An approved course in research methodology is also required.

Candidates must pass a final written comprehensive examination covering studies included in the major no later than two weeks before the awarding of the degree, or, in some programs, a research paper or project. The examination may be taken when students have achieved a minimum cumulative grade point average of 3.0 and have nearly completed all course work in the major.

Students who fail the comprehensive examination may, upon recommendation of the graduate committee and the approval of the dean designate of the Graduate College, be granted permission to take a second examination. Upon failing a second examination, the student is dropped from the Graduate College. Human Movement, Sport, and Leisure Studies degree candidates must complete a minimum of 33 semester hours of credit, including a major project.

MASTER OF FINE ARTS

The Master of Fine Arts (M.F.A.) degree is offered in two fields of concentration. The Master of Fine Arts in art is available through the School of Art. The Master of Fine Arts in creative writing is offered by the Department of English. Specific admission procedures and degree requirements are outlined under the headings of Art and English in the “Graduate Programs” section of this catalog.

Master of Fine Arts in Art

The Master of Fine Arts in art program is designed to produce professionally competent artists who are aware of the great traditions in art and related cultural fields. The intent of the program is to produce graduates who are more than mere technicians in art. Students receive training in the fundamentals and achieve a level of competence which will enable them to contribute to the field of art. The M.F.A. program prepares students to become either professional artists or teachers of art after receiving the degree. Approved studio areas of specialization are: ceramics, digital arts, drawing, glass working, jewelry/metals, painting, printmaking, and sculpture.

Master of Fine Arts in Creative Writing

The Master of Fine Arts in creative writing program is designed to provide developing fiction writers or poets with training in the techniques of their genre, continuous practice in writing, and detailed criticisms of their work. Candidates in the M.F.A. in Creative Writing program are expected to develop their own writing style as fully as possible under the direction of competent and experienced instructors. Before completing degree work, students must produce a book-length thesis comparable in quality to the published work of serious contemporary professional poets and fiction writers.

MASTER OF FOOD AND NUTRITION

The Master of Food and Nutrition (MFN) degree, offered in the Department of Public and Allied Health, prepares students for professional positions in health care, business, industry, research, government, and various human service settings. The degree also serves as an excellent background for students interested in obtaining a doctoral degree. A description of the Master of Food and Nutrition program is found under the heading of Food and Nutrition in the "Graduate Programs" section of this catalog.

A graduate certificate in Food and Nutrition and a post-baccalaureate dietetic Internship with graduate classes are also offered through the Department of Public and Allied Health.

MASTER OF MUSIC

The Master of Music (M.M.) degree is offered in the College of Musical Arts. The Master of Music program offers students an opportunity to develop an in-depth understanding of the major field, a broad exposure to other aspects of the art, and research and/or creative experience in the area of specialization. The program is designed for students who have completed an appropriate undergraduate degree or its equivalent, and who are qualified for advanced study by reason of musical and intellectual abilities and achievements. A detailed description of the Master of Music program is found under the heading of Music in the "Graduate Programs" section of this catalog.

MASTER OF ORGANIZATION DEVELOPMENT

The Executive Master of Organization Development (EMOD) is an 18-month program that accommodates to the lives and careers of nontraditional graduate students. Instruction is delivered online and in three on-campus weekends per semester.

With a focus on change leadership to achieve individual, team, and organizational effectiveness, the program attracts experienced students from a variety of backgrounds (e.g., managers, small-business owners, human resource and development professionals, and consultants).

A detailed description of the Master of Organization Development program is found under the heading of Organization Development in the "Graduate Programs" section of this catalog.

MASTER OF PUBLIC ADMINISTRATION

The Master of Public Administration (M.P.A.) degree is offered in the Department of Political Science. The master's program in Public Administration is designed to meet the increasing demand for skilled public administrators by providing professional education to individuals who wish to prepare themselves for administrative careers and leadership positions in government. While the majority of graduates may take positions in municipal, state, and federal government, the degree program can also lead to service in other organizations associated with government affairs such as private foundations, nonprofit service agencies, political organizations, and other community institutions. Graduates also take positions in the private sector. A detailed description of the master's program in Public Administration is found under the heading of Political Science in the "Graduate Programs" section of this catalog.

MASTER OF PUBLIC HEALTH

The Northwest Ohio Consortium Master of Public Health (MPH) degree program is offered jointly by Bowling Green State University (BGSU) and the University of Toledo (UT). The program is designed for working professionals in a variety of health-related fields as well as individuals just completing their undergraduate degrees.

All students complete a core sequence of six courses. Specialized training is provided in five different areas of concentration or majors. Each major consists of four or five prescribed courses that are supplemented by two or three electives. Students then complete a capstone experience comprised of a professional internship or scholarly project and an integrative seminar.

The Public Health Administration major prepares students to assume applicable administrative roles in government and community agencies, health care facilities, and private industry.

The Environmental and Occupational Health major prepares students to address environmental and occupational health issues from scientific, regulatory, and administrative perspectives for private industries, regulatory agencies, consulting firms, and other organizations.

The Health Promotion and Evaluation major prepares students to assist communities, organizations, and individuals in working toward a healthier society by using appropriate educational, behavioral, and social change strategies.

The Public Health Nutrition major is designed to train people who can provide advice related to food, diets, eating disorders and other aspects of food. Students are prepared to assume advisory roles in hospitals, agencies, private industry and the government. With appropriate preparatory course work, students may also seek admission to a separate program that leads to certification as a registered dietitian (RD).

The Public Health Epidemiology major focuses on identifying sources of data; gathering information; preparing it for analysis; analyzing data; evaluating results; preparing charts, maps and other display formats; and presenting data to groups of people. Epidemiologists are employed by organizations in private industry, health departments, academic and other training institutions, the government and groups that conduct and interpret research.

A more complete description of the Master of Public Health program is found under the heading of Public Health Administration in the "Graduate Programs and Courses" section of this catalog. Additional information can be obtained at the program's web site: www.nocph.org

MASTER OF SCIENCE

The Master of Science (M.S.) degree offers students an opportunity for professional experience in certain subject matter fields in the sciences. Fields of major concentration for the Master of Science degree are: Applied Geospatial Science, Applied Statistics, Biological Sciences, Chemistry, Communication Disorders, Computer Science, Geology (Plan I only), and Physics. Specific admission procedures and degree requirements are outlined in the major field descriptions. To locate major field descriptions in the "Graduate Programs and Courses" section, consult the Graduate Catalog index.

Degree Requirements

Two plans are offered for this degree.

Plan I

Candidates under Plan I must present an approved major of not less than 16 semester hours of credit and a formal thesis in a 30-hour minimum degree program. Any exception to the major requirement must be approved by the graduate coordinator and the dean designate of the Graduate College. A department must require a written and/or oral final examination, not necessarily on the thesis, for a student in Plan I of the master's degree program.

Plan II

Candidates under Plan II must complete a minimum of 30 semester hours of credit, including two hours in a graduate research seminar, and 20 additional hours in the major field. An eight-hour minor or cognate field outside the department may also be included. An interdepartmental major may be composed of graduate courses in two or more departments.

Candidates must pass a final written comprehensive examination covering studies included in the major not later than four weeks before the awarding of the degree. The examination may be taken when students have achieved a minimum cumulative grade point average of 3.0 and have approached completion of all course work in the major. Any student who fails the comprehensive examination may, upon recommendation of the graduate committee and approval of the dean designate of the Graduate College, be granted permission to take a second examination. A student may not change from Plan II to Plan I after having attempted the comprehensive examination. Upon failing a second examination, the student is dismissed by the Graduate College.

MASTER OF SCIENCE IN ANALYTICS

Housed in the Graduate College, the Master of Science in Analytics (MSA) is an interdisciplinary graduate program involving four departments across two colleges. The program prepares individuals for careers in analytics, emphasizing hands-on experience in techniques and applications pertaining to descriptive, predictive and prescriptive analytics. The MSA is a 12-month full-time, cohort-based program.

A detailed description of the MSA program can be found under the heading of Analytics in the "Graduate Programs" section of this catalog.

MASTER OF SCIENCE IN CRIMINAL JUSTICE

The Master of Science in Criminal Justice (MSCJ) degree program emphasizes the development of individuals for leadership roles in criminal justice agencies, while providing students a solid base upon which to pursue doctoral level study. The MSCJ program provides students with a solid base of understanding law enforcement, corrections, courts, and juvenile justice, while permitting students to focus and specialize their studies in one of these core areas. The program provides students with a solid background in both theory and research in criminal justice, which prepares graduates to better understand the challenges facing them as participants in the criminal justice field.

A full-time student can finish the program (with proper planning) within 12 months. All MSCJ students are required to undertake a thesis, sit for comprehensive exams, or complete and reflect upon the contents of an electronic portfolio at the end of their course work.

A detailed description of the Master of Science in Criminal Justice is found under the heading of Criminal Justice in the Graduate Programs section of this catalog.

MASTER OF SCIENCE IN INTERDISCIPLINARY GERONTOLOGY (MSIG)

The Master of Science in Interdisciplinary Gerontology (MSIG) degree is a graduate degree that is offered through the Department of Human Services (Gerontology [GERO] Program) of the College of Health and Human Services (CHHS) and The School of Human Movement, Sport and Leisure Studies (HMSLS) (Graduate Program in Human Movement, Sport, and Leisure) and The School of Family and Consumer Sciences (FCS) (Human Development and Family Studies Program [HDFS]) of the College of Education and Human Development at Bowling Green State University.

The Master of Science in Interdisciplinary Gerontology (MSIG) degree program is specifically designed for professionals in various disciplines who are seeking to acquire advanced knowledge and specialized skills to work with older adults and their families. The program emphasizes the development of individuals for leadership roles in agencies/organizations that provide programs/services for older adults, while providing students a solid background in both theory and research. The MSIG melds discourse from gerontology, kinesiology, health promotion, human development, and social policy/administration to advance research on issues relevant to notions of successful aging.

A full-time student can finish the program (with proper planning) within 12 months. All MSIG students are required to undertake a culminating experience (e.g., thesis or directed research, a directed practicum), or comprehensive exams.

A detailed description of the Master of Science in Interdisciplinary Gerontology is found under the heading of Gerontology in the Graduate Programs section of this catalog.

MASTER OF TECHNOLOGY MANAGEMENT

The Master of Technology Management (MTM) degree is offered in a shared manner between the Department of Engineering Technologies and the Department of Construction Management. The MTM serves various industries where change and competitiveness are of prime concern, and where technology is part of the mix required to move forward. The MTM has three specializations: Engineering Technology, Construction Management, and Quality Systems. A description for the Quality Systems and Construction Management Certificates are also provided.

Engineering Technology is focused on innovative engineering applications. Examples of experiences provided in the Engineering Technology specialization and courses include rapid prototyping, contemporary automation, green design, advanced 3D solid modeling strategies, 3D digitization, and Internet-based CAD/CAM data integration. Graduates in this specialization aspire to be managers of industrial facilities, research and development centers, corporations, etc., in technically complex environments.

Quality Systems prepares leaders and managers for advanced problem solving and applied research in technical projects in a team-based environment. Lean and Six Sigma research and analytical methods are used as innovative management strategies for professionals dealing with change as improvement from various disciplines. All QS courses are done on-line acknowledging the ever increasing paradigm shift toward conducting business electronically in robust ways from different locations.

The Construction Management specialization prepares construction professionals for upper level management. It includes the study of advanced-level construction project and program management; cost estimating and bidding strategy, planning and control, dispute reduction and resolution, LEED and Lean Construction, and related advanced course work.

The objectives of the program are (1) to prepare students with advanced technical knowledge and skills, (2) to acquire leadership skills for managing technology according to the student's area of specialization, and (3) to develop the ability to conduct applied industrial research. The objectives are met through advanced technology course work in one of the three specialization areas, and a core consisting of study in engineering economics and business strategy, problem solving, green and sustainable technologies, quality systems, and industrial research methods. A synthesis component involving systematic, applied research and development further enhances this program. A special feature of the degree program is the flexibility of course selection in meeting needs, interests, and career goals of students while addressing the needs of industry. Therefore, the program is responsive to the changing technological needs and demands of technical managers. The MTM degree is approved for distance education, but currently only the Construction Management and Engineering Technology specializations are offered in a web-centric manner. The courses are offered in a mix of online and face-to-face delivery taking advantage of the strengths of each delivery method.

A description of the Master of Technology Management program and specializations is found under the heading of Technology in the "Graduate Programs" section of this catalog.

SPECIALIST IN EDUCATION

The Specialist in Education program is post-master's work designed primarily to provide advanced preparation in the major fields of Administration and Supervision and Reading. Admission procedures and degree requirements are outlined in the major field descriptions. To locate major field descriptions, consult the Graduate Catalog index.

Admission Procedure

Applicants for admission to the Specialist in Education program must comply with all requirements outlined in the "Graduate Admission" section of this catalog. In addition, applicants must present evidence of satisfactory experience as teachers or of experience appropriate to the field of specialization. Applicants for the Specialist in Educational Administration and Supervision who have successfully completed a master's degree are not required to submit GRE scores.

Degree Requirements

Students are required to complete a minimum of 30 semester hours of graduate course work beyond the master's degree

including all specific requirements for the degree and for certification where relevant.

Practicum or Field Service Experience: This phase of the program must be appropriate to the area of specialization.

Cognate Field: Any specific requirements are stated under the field or specialization description.

Students should have a Tentative Degree Program on file early in the Ed.S. program. Students must achieve a minimum cumulative grade point average of 3.0 in all graduate work to be eligible for the degree.

Comprehensive Examination

In addition to the regular course examinations, students are required to pass a comprehensive examination during the final period of registration for course work.

Completion of Work

Candidates must complete all requirements for the Ed.S. degree within six years of the date of initial enrollment. Time served in the armed forces or on approved leave of absence is exempt from this limitation.

Transfer Credit

A minimum of 63 post-baccalaureate semester credits are required for the specialist degree. Typically, 33 of these credits are acquired while completing a master's degree in a related field; hence, a minimum of 30 post-master's semester credits are usually needed for completion of the specialist degree. Up to six semester hours of graduate work may be transferred into the post-master's component of the specialist degree with the approval of the program area and Graduate College. Under no circumstances, however, may graduate credits be transferred into the 30-hour post-master's component of the specialist degree if they are also applied toward another degree.

GRADUATE CERTIFICATE PROGRAMS

In addition to graduate degrees, Bowling Green State University offers graduate certificates. Students may enroll in only a certificate program, or may complete a certificate in conjunction with a graduate degree at BGSU. Certificate program applicants should hold an undergraduate degree prior to application to a certificate program. Application and graduation procedures for certificate programs follow the same process as master's degrees. Students must apply for acceptance and apply for graduation just

as they would a master's degree. Please see the individual program degree requirements for details pertaining to application requirements.

Assistive Technology

The Assistive Technology certificate program is designed to prepare individuals with a background in special education or related fields with the knowledge and skills to design, assess, and work with K-12 students in the use of assistive technology devices across the exceptional learning spectrum. Content ranges from the use of computers and various input/output devices to switches used to turn on appliances to increase the quality of life for persons with disabilities. Concepts and strategies to identify, select, modify, and design applications of assistive and facilitative technologies will be surveyed.

Autism Spectrum Disorders

This certificate program is interdisciplinary; it will provide skills and knowledge for understanding, identifying, and programming for individuals with Autism Spectrum Disorders. The purpose of this graduate certificate is to offer professional development opportunities for special and general educators, school psychologists, SLP, OT, PT, rehabilitation counselors, medical personnel, educational consultants, etc. who want to support the growth, development, and learning of students with ASD.

Bioinformatics, Proteomics/Genomics

Bioinformatics, proteomics, and genomics (BPG) have transformed biological research. The health of our research and educational programs as well as progress in biology, chemistry, mathematics, computer science, and related fields, depends on incorporating these tools.

To address the need for training in these new disciplines, an interdisciplinary team of professors from BGSU and the University of Toledo now offer a comprehensive set of four BPG courses. These courses are designed for graduate students from a variety of backgrounds. Courses may be taken individually and a Certificate will be awarded on completion of all four courses (12 semester hours). Students participate in classes through internet-based videoconferencing and computer lab sessions at one of the institutions.

The four courses are:

- Fundamentals of Bioinformatics and Proteomics/Genomics
- Statistical Methods in Bioinformatics

- Introduction to Bioinformatic Computation
- Applications of Bioinformatics and Proteomics/Genomics

Computer Technology Endorsement

The Graduate Computer Technology Endorsement Certificate (16 hours) may be earned by teachers licensed to teach in the State of Ohio. Teachers with this endorsement will be prepared to not only provide leadership capabilities for local, state or national educational technology initiatives but also will be licensed to teach computer science courses, K-12. Students may apply for the Computer Technology Endorsement from the Ohio Department of Education after completing the 16 hours of coursework identified for this credential offered through the School of Teaching and Learning, College of Education and Human Development.

Construction Management

This certificate offers a continuing education vehicle to construction professionals who desire to prepare themselves to upper management levels. This certificate can be a springboard to the Master in Technology Management (MTM) program – Construction Management concentration - at BGSU or elsewhere. This certificate prepares the student to address supervisory and managerial needs in a construction, engineering, and architecture environment. A special feature of the certificate is the flexibility in meeting the needs, interests, and career goals of students while addressing the needs of industry. Therefore, the program is responsive to the needs of the industry for advanced construction management personnel. The certificate consists of five graduate courses in construction management.

District Level Leadership

See Educational Foundations, Leadership and Policy in the "Graduate Programs" section of this catalog.

Early Childhood Education 4/5 Generalist Endorsement

The Early Childhood Education 4/5 Generalist Endorsement is a set of five graduate courses that qualify licensed early childhood teachers to add the 4th and 5th grade generalist endorsement to an existing Prekindergarten to Grade 3 teaching license. The certificate is earned by completing courses in the four basic content areas (math, science, social studies and language arts) as well as a child development and learning course. The certificate is available in online and face-to-face formats.

Ethnic Studies

The graduate certificate in Ethnic Studies is offered within an interdisciplinary/multidisciplinary framework. The curriculum contributes to societal needs as it addresses issues of racial and ethnic diversity in the workplace, community, nation, and world during a period of profound demographic change. It is designed to provide professional study in an area of increasing importance to practitioners in social, health, and immigration service agencies; law; and K-12 and community college education, among other occupations. The certificate also offers a graduate credential to students pursuing advanced degrees and seeking to broaden their teaching and research competencies in order to enhance their career options and employment prospects.

Food and Nutrition

The 15-semester hour graduate certificate in Food and Nutrition allows students to pursue concentrated study of food and nutrition through graduate coursework. The Certificate curriculum includes studies in nutrient metabolism, nutritional principles related to health and disease, community nutrition, and food science. The Certificate Program provides knowledge of food and nutrition that is applicable to health care, business, professional, and personal situations involving nutrition. The Food and Nutrition Graduate Certificate may be desired by students currently pursuing other graduate degree programs (e.g. public health; human movement, sport, and leisure studies; biological sciences), allied health professions, or students in the Dietetic Internship who have an interest in advanced study of food and nutrition but do not wish to complete a graduate degree.

Geospatial Technology

The Geospatial Technology certificate program is designed to provide students with a theoretical base in geospatial technology, a basis for research design in geospatial technology, and also provide students with an opportunity to apply geospatial technology theory and research design to their field of study. Because this is a joint endeavor of the Environment and Sustainability, Geography, and Geology programs, students may opt for a sequence of courses that will be somewhat focused on either the natural or the social sciences, depending on their disciplinary orientation. The focus of the program will be GIS, remote sensing, and GPS and their applications to research design and problem-solving in the natural and social sciences.

International/Intercultural Communication

This graduate-level certificate is designed to meet the increasing need of various individuals and organizations to communicate

more effectively in international/intercultural contexts. It enhances students' capacity for effective communication by raising international/intercultural understanding and sensitivity. A Certificate in International/Intercultural Communication can benefit individuals in organizations that deal with international partners/clients or multicultural employees/clients on a regular basis. Individuals whose careers require close international/multicultural interaction or place a strong emphasis on intercultural sensitivity can also benefit from this certificate. Recent college graduates can complete this certificate to further enhance their understanding of international/intercultural issues and expand their professional horizon.

See Media & Communication in the "Graduate Programs" section of this catalog.

K-12 Online Teaching & Learning Certificate

The goals of the K-12 Online Teaching & Learning certificate program is to prepare K-12 classroom teachers to be effective online teachers and to provide them with research skills necessary to investigate student learning within online K-12 educational contexts. Please go to the following website for more information: [K-12 Online Teaching & Learning Certificate](#)

This certificate program may be completed in conjunction with the Master's degree in Classroom Technology.

Middle Childhood Generalist Endorsement 4-6

This non-certificate endorsement program permits teachers to add one-to-two subject areas to an Ohio Middle Childhood Teaching License, Grades 4 – 9, enabling them to teach the additional subjects in grades 4 – 6. To be eligible for graduate-level endorsement courses, students must submit the following forms to Wendy Vaughn (wwalsto@bgu.edu) in the School of Teaching & Learning: Current Ohio Middle Childhood teaching license, transcript verifying middle childhood degree completion, with a 2.8 or higher cumulative GPA and Application to pursue the Middle Childhood Generalist Endorsement ([Middle Childhood Generalist Endorsement](#)). Additionally, send to the Registrar ([Office of Registration & Records](#)) the Graduate Non-Degree Application ([Registration & Records, Graduate/Graduate Non-Degree](#)). Non-BGSU grads should also complete the Application to take Educator Coursework ([Registration & Records, Graduate/Graduate Non-Degree](#)).

PreK-12 Reading Endorsement

See Reading in the "Graduate Programs" section of this catalog.

Performance Studies

This certificate is open to all graduate students enrolled at Bowling Green State University. Through this certificate program the student will explore the histories, theories, and practices of Performance Studies. The focus is on the relationship between text and practice; performance as a reflection of society, a witnessing to an experience, or a challenge to social structures or ways of knowing; emerging ideas of audience reception theory; interdisciplinary connections with cultural studies, communication studies; and U.S./global performance practices. May be used as a research methodology or area of specialization within a degree program or other course of study, as a gateway into an advanced degree program in Performance Studies/related field, or as a foundation for work in community-based performance or theatre of social action/change.

Core Sequence (7 credits):

THFM 6630 Introduction to Performance Studies (3)

THFM 6680 Performance Studies (3)

THFM 6660 Directed Research in Portfolio Development to serve as a capstone experience (1)

Supplementary Elective Courses (9 credits):

Electives for the Graduate Certificate Program in Performance Studies may be filled by courses in Theatre and Film, and/or other departments and programs. Electives will be selected by the student subject to approval by the graduate coordinator of the Department of Theatre and Film.

Public History

The graduate certificate in Public History offers advanced graduate training for professionals in the public history profession. The program is practical and career-focused in its design, featuring courses in historical museum management, museology, local history, and archival administration taught by academic specialists in these topics and by expert practitioners in the field of public history/historical museum management. The program of study is capped by an internship experience to give students actual hands-on experience in the field.

Quality Systems

Created at BGSU in response to demands from quality professionals, the quality systems graduate certificate (QSGC) reflects the American Society for Quality (ASQ) continuous improvement mission based on disciplined analysis of systems in technical environments. Process analysis for reduction in variation of product and providing high quality consistently with no defects, is

the goal. This includes preparation for management and facilitation of lean, six sigma, ISO/QS 9000 standards registration and maintenance functions and new product launch changes for advanced product quality planning (APQP). The QSGC serves various learners, particularly non-traditional, full-time working professionals from various locations. All work done in quality systems courses is team-based in a project context similar to how quality improvement is pursued in actual professional functions. The curriculum is also designed to facilitate project-based course work via an applied research emphasis. All courses utilize distance technology.

Secondary Transition Certificate

The online graduate certificate program in Secondary Transition is designed to prepare educators, rehabilitation professionals, and others with the knowledge and performance skills to support youth with exceptional learning needs as they transition to adult life. Program completers who hold a current Intervention Specialist or Career-Technical teaching license will be recommended for the State of Ohio Transition-to-Work (TTW) Endorsement. The certificate program may be pursued in conjunction with a Master of Education (M.Ed.) in Special Education or Workforce Education and Development.

Social & Interactive Media

This graduate-level certificate program is established to meet the needs of the rapidly changing media and communication industry while providing intellectual leadership to the study of social and interactive media. Founded primarily on social scientific knowledge, the strategic applications of social and interactive media are explored. This program also exposes students to the process of online and interactive media production to help them better understand the technology and apply it to their practice or research.

See Media & Communication in the "Graduate Programs" section of this catalog.

Teaching English to Speakers of Other Languages (TESOL)

Graduate students at Bowling Green State University have the opportunity to earn a certificate in Teaching English to Speakers of Other Languages (TESOL). This set of courses serves as excellent preparation for those who wish to teach English overseas or for those wishing to pursue further studies in linguistics. Some programs outside of the English Department may accept this certificate as part of their graduate degree program.

See the English Department section of this Graduate Catalog for more information.

Technical Writing

This online graduate certificate in technical writing meets the needs of working professionals by providing them with a distance education opportunity to learn advanced theoretical and practical approaches to composing documents and other information products for local and global translation; writing collaboratively online in increasingly more diverse virtual workspaces; and developing best practices for new online writing workspaces that are informed by current technical communication research.

This fully online graduate certificate program reaches out to workplaces across the state of Ohio and beyond whose growing reliance on technology to enhance their productivity requires the expertise of technical communicators. The Technical Writing certificate program seeks to enhance the expertise of technical writers and thus to increase the success of the industries in which they work. See the English Department section of this Graduate Catalog for more information.

Women's Studies

The graduate certificate in Women's Studies brings together scholars and graduate students across the University actively engaged in interdisciplinary feminist scholarship. This graduate certificate is an official acknowledgement of training and expertise in the field of women's and gender studies. The certificate program provides students with knowledge of a unified approach to the study of fundamental issues in sex and gender studies. Students examine how sex and gender have been reflected in culture across time; how they shape institutions as well as personal experience; how they interact with issues such as race, ethnicity, and socioeconomic class; and how new ways of thinking about gender challenge the processes by which knowledge about human beings and our behavior is acquired, interpreted, and transmitted.

The graduate certificate is intended to supplement professional training, whatever it may be. As a stand-alone credential, the certificate is designed for individuals working in fields related to women's health care and well-being, as well as professionals in positions of advocacy for women, elementary, high school, and community college teachers, and returning, nontraditional students.

The certificate acknowledges formal training and expertise in issues of cultural diversity, gender equity, feminist theory, feminist

methodology, and the infusion of gender into all psychological, social, and mediated relationship.

GRADUATE PROGRAMS

Accounting and Management Information Systems
 American Culture Studies
 Analytics
 Applied Geospatial Science
 Applied Statistics and Operations Research
 Architecture & Environmental Design
 Art
 Biological Sciences
 Business Administration
 Business/Marketing Education (see Workforce Education and Development)
 Chemistry
 Classroom Technology
 College Student Personnel
 Communication Sciences & Disorders
 Computer Science
 Criminal Justice
 Cross-Cultural and International Education (see Educational Foundations, Leadership and Policy)
 Curriculum and Teaching
 Financial Economics
 Educational Foundations, Leadership and Policy (EFLP)
 Educational Administration and Supervision and Leadership Studies (EDAS/EDLS)
 Educational Foundations and Inquiry (EDFI)
 English
 Ethnic Studies
 Food and Nutrition
 Geography
 Geology
 German, Russian, and East Asian Languages (GREAL)
 Gerontology
 Higher Education Administration
 History
 Human Movement, Sport, and Leisure Studies (HMSLS)
 Kinesiology (HMSLS)
 Learning Design
 Leisure and Tourism (HMSLS)
 Mathematics and Statistics
 Media & Communication
 Mental Health and School Counseling
 Music
 Organization Development
 Philosophy
 Photochemical Sciences
 Physics and Astronomy
 Political Science/Public Administration
 Popular Culture
 Psychology

Public Health
 Reading
 Romance and Classical Studies
 Sociology
 Special Education
 Sport Administration (HMSLS)
 Teacher Education
 Technology Management
 Theatre
 Women's, Gender, and Sexuality Studies
 Workforce Education and Development

ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS

David Stott, Chair
 Kenneth Snead, Director - Graduate Studies in Accounting
 332 Business Administration Building
 Phone: 419-372-2767
 E-mail: macc@bgsu.edu

Degree Offered

Master of Accountancy (M.Acc.)

Graduate Faculty*Professors*

Earl McKinney, Ph.D.; Andreas Nicolaou, D.B.A.; Sachi Sakthivel, Ph.D.; Kenneth Snead, Ph.D.

Associate Professors

Pascal Bizarro, Ph.D.; Andy Garcia, Ph.D.; Paul Schauer, Ph.D.; David Stott, Ph.D.

Assistant Professors

Fred Coleman, Ph.D.

The Department of Accounting and Management Information Systems offers a program of study leading to the Master of Accountancy (M.Acc.) degree. The mission of the M.Acc. program is to build upon the base of knowledge obtained at the baccalaureate level and to further nurture the personal and professional development of those interested in graduate education in areas relevant to the practice of public or corporate accounting. The department is committed to offering programs and a setting that attract students as they choose among competing programs and to offering an opportunity to specialize in accounting and auditing, information systems auditing and control, or taxation.

Prerequisites to Graduate Work

Graduates from any accredited baccalaureate program may be admitted to the M.Acc. program. However, the program is designed primarily for students with a business degree and an undergraduate accounting specialization from an accredited school. All M.Acc. students must obtain an appropriate background prior to undertaking graduate accounting courses including: (1) satisfactory competencies in written communications and personal computer skills; (2) an appropriate general business background; (3) the equivalent of an upper-level undergraduate education in financial accounting, managerial accounting, auditing, taxation, and accounting information systems.

Admission Procedure

Applicants for the M.Acc. program should follow the instructions outlined in the "Graduate Admission" section of this catalog. Application materials and admission information are available at <http://www.bgsu.edu/business/accounting-and-management-information-systems/macc.html>. Each student is independently evaluated for admission to the M.Acc. program taking into account such things as undergraduate GPA, accounting course GPA, professional certifications, GMAT scores, prior work experience, and recommendations.

Degree Requirements

Requirements for the M.Acc. program are subject to continuous improvement and can differ from those listed below. New students will be given official requirements prior to the start of their first semester of graduate course work and specifics can be reviewed at <http://www.bgsu.edu/business/accounting-and-management-information-systems/macc.html>. Ultimate degree requirements are customized to accommodate the varying educational backgrounds of students entering the program, and therefore students graduating from the program will not have completed an identical set of graduate courses. The information in this catalog represents the requirements for most students. Students with all of the prerequisite background requirements completed prior to program entry can expect to complete the M.Acc. within 12 months after beginning the program in August. The typical M.Acc. program year requires students take classes in the fall and spring semesters and in either or both of the summer sessions. Exact timing of the course offerings, as well as the specific course offerings in a program year, varies by year and cannot be identified in advance of a particular program year. In most cases, M.Acc. program courses are offered only once per academic year.

The M.Acc. program requires students to complete a minimum of 30 semester hours which must include at least 18 semester hours in courses reserved exclusively for graduate students. Of these graduate-student-only courses, at least 12 semester hours must be in accounting-related courses. Students complete 12 to 15 hours in a set of professional core courses and at least nine hours in a track specialization with the balance of the 30 hours being elective courses.

The M.Acc. program professional core requires course work in communications, ethics and professional responsibilities for accountants, advanced financial reporting, and an exposure to global business issues (unless previously studied). In addition, a capstone course in the professional practice of accounting must

be taken during the last 10 hours of the student's program. This course is designed to provide a synthesis of accounting practice and serve as a culminating experience for M.Acc. students.

Each student is required to complete one of three specialization tracks within the M.Acc., and the options are: accounting and auditing, information systems auditing and control, or taxation.

The accounting and auditing track includes study in financial accounting, business assurance services, and advanced information systems for accountants. Students who elect the accounting and auditing track must have an adequate background in accounting information systems prior to the program or obtain that background as part of their M.Acc. study through elective-course options.

The information systems auditing and control track includes courses in data communications, systems analysis and design, information system security, and information systems auditing and control techniques and procedures. Students who elect the information systems auditing and control track must have an adequate background in database management prior to program entry or obtain that background as part of their M.Acc. study through elective-course options.

The taxation track courses include federal taxation and management decisions, estate planning, and taxation of partnerships/flow-through entities. Students who elect the tax track must have an adequate background in U.S. individual and corporate taxation prior to program entry or obtain that background as part of their M.Acc. study.

Students choose among several available elective courses to complement their professional core and track specializations. Elective courses must be approved by the student's graduate advisor and should fit the student's objectives and career plans.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Accounting and Management Information Systems use the prefix: ACCT. Students often also take courses that use the prefix: MBA or BUSE.

AMERICAN CULTURE STUDIES

Andrew Schocket, Director/Graduate Coordinator
 Room: 101 East Hall
 Phone: 419-372-8886
 Email: acsprogram@bgsu.edu

Degrees Offered

Master of Arts; Doctor of Philosophy

Core Graduate Faculty

Professors:

Ellen Berry, Ph.D. (English); Radhika Gajjala, Ph.D. (Communication); Scott Martin, Ph.D (History); Andrew M. Schocket, Ph.D. (History)

Associate Professors:

Jolie Sheffer, Ph.D. (English)

Affiliated Graduate Faculty

For a complete list of Affiliated Faculty, please consult the ACS program website:

<http://www.bgsu.edu/arts-and-sciences/cultural-and-critical-studies/american-culture-studies/faculty-and-staff.html>.

The interdisciplinary Master of Arts in American Culture Studies is designed around the concept of culture, which unifies study of many discrete aspects of American historical, social, intellectual, and artistic heritage. The program invites students to explore particular themes, issues, and periods from an interdisciplinary perspective.

The M.A. curriculum offers a foundation in the study of American culture for students with a variety of interests or goals. Primarily, we seek to communicate a sense of the complexity and diversity of the American national culture through systematic analysis of its elements. This approach is relevant equally to students who might pursue a career in education in some aspect of American culture; those who might engage in such professions as journalism, public relations, advertising, government, marketing, etc., where a knowledge of American culture is important; or those seeking enrichment of their understanding of American culture. While the American studies component of the curriculum assures a common experience in the study of culture, the remainder of the courses allows an individualized educational experience.

The interdisciplinary Doctor of Philosophy in American Culture Studies offers students the opportunity to critically explore the cultural and intellectual traditions that have historically shaped and defined American identity. The Program challenges students to think of culture as a dynamic and contested domain, whose definition and deployment are negotiated in the context of complex power dynamics and struggles. It invites students to explore the ways in which American identity has been historically gendered and racialized in myths of nation-making, nationalism, and national identity. In addition, we encourage students to consider these negotiations and struggles over identity in their larger transnational and diasporic contexts.

The American Culture Studies Program is comparative and interdisciplinary in nature. It emphasizes the development of critical analytical and scholarly skills, and offers practical training to prepare students for academic and professional careers.

For more information about the American Culture Studies PhD and M.A. programs, please consult the ACS program website at: <http://www.bgsu.edu/arts-and-sciences/cultural-and-critical-studies/american-culture-studies.html>.

Prerequisites to Graduate Work

Applicants to the M.A. program in American Culture Studies are expected to have earned an undergraduate degree in one of the humanities/social science disciplines represented in the program. Other qualifications will be evaluated on an individual basis. Applicants are encouraged to visit the campus for an interview whenever possible.

Applicants to the Ph.D. program are expected to have earned an M.A. degree in an appropriate subject area and to have a superior academic record at both the undergraduate and master's degree levels. Applicants presenting other credentials will be evaluated on an individual basis and may be required to address any deficiencies in their background by taking specific graduate courses recommended by the ACS Ph.D. Executive Committee. Applicants are encouraged to visit the campus for an interview with the director whenever possible.

Admission Procedure

Applicants seeking admission to either the M.A. or the Ph.D. program should follow the instructions outlined in the "Graduate Admission" section of this catalog. The following materials must be submitted to the BGSU Graduate College: (a) the completed Graduate College Application for Admission form, (b) one official

transcript from each college or university you have attended, (c) scores for the General Test of the Graduate Record Examination. Foreign students are required to pass the TOEFL examination or its equivalent.

The following materials must be submitted electronically to the American Culture Studies program office in support of each application: (a) three letters of recommendation from current or former instructors or other persons qualified to evaluate probable success in the ACS graduate program; (b) evidence of ability to conduct academic research in an interdisciplinary setting, such as copies of recent research papers or thesis chapters; (c) a two to four page statement of purpose delineating the applicant's rationale for pursuing graduate study in the ACS program as well as an outline of career goals; (d) a current one to two page resume or curriculum vita; (e) an American Culture Studies M.A. or Ph.D. Online Department Application (<https://choose.bgsu.edu/acs/>). Applications and supporting materials should be received by January 15th to receive fullest consideration.

For more information about submitting application materials please consult the ACS program website at:

<http://www.bgsu.edu/arts-and-sciences/cultural-and-critical-studies/american-culture-studies/graduate/application-process.html>.

In addition, all international students must also send the following materials to the BGSU Office of Admissions:

- Results of the Test of English as a Foreign Language (TOEFL) examination or its equivalent.
- A copy of the applicant's passport.
- A completed BGSU Financial Statement (PDF).
<http://www.bgsu.edu/international-student-services.html>

Degree Requirements

Master of Arts

Individual programs are designed in consultation with the graduate coordinator and based upon a combination of courses in American culture studies and related fields according to the interests, needs, and background of the student, his or her future plans and goals, and the interdisciplinary philosophy of the program. Thirty-three semester hours of graduate credit are required for the degree. ACS 6300, Methods and Theories, is required. The remaining thirty hours are selected from appropriate courses in American Culture Studies, art history, communication studies, English, ethnic studies,

theatre/film, history, philosophy, political science, popular culture, sociology, women's, gender, and sexuality studies, and other related fields. No more than fifteen hours may be taken in a single department or program.

Students may pursue the M.A. degree under one of two plans:

Plan I: Candidates must write an interdisciplinary thesis in keeping with the philosophy of the program. Under Plan I, students complete 30 hours of course work and receive three hours of credit for the accepted thesis for a total of 33 semester hours. For most students, completion of the Plan I option requires two years of full-time study in the ACS M.A. program.

Plan II: Candidates complete 33 hours of course work and take a comprehensive examination. The student electing Plan II will sit for a four-hour written examination, covering periods in American cultural history, the student's course work, the relationship of American culture studies to the traditional disciplines, American culture studies methodology, and important themes in American culture. The examination will be based upon each student's individual course of study.

Doctor of Philosophy

General Requirements: Requirements for the doctorate in American Culture Studies are the completion of at least 61 semester hours beyond the master's degree including at least 16 hours of credit for research on the dissertation. The American Culture Studies Ph.D. program draws on faculty from diverse academic departments and graduate programs including: communication studies, English, ethnic studies, history, philosophy, popular culture, sociology, theatre/film, and women's, gender, and sexuality studies. The ACS Ph.D. is normally a four-year program of study with two years of course work and two years of dissertation work.

Course Requirements: The Ph.D. program in American Culture Studies contains the following components:

1. Common Core Requirements (12 hours): Theories of American Culture Studies (ACS 7300), Genealogy of American Culture (ACS 7400), Publication and Professional Development (ACS 7450), and ACS Methodologies (ACS 7100).
2. Interdisciplinary Primary Concentration (15 hours): Either (a) Critical Studies in Film, Media, and Culture, or (b) Ethnicity, Gender, and Social Identities.

3. Secondary Concentration (12 hours): Either 12 hours in a disciplinary area or the completion of a graduate certificate program.
4. At least 3 credit hours in a designated methodology course offered in an academic unit other than ACS but related to the primary or secondary concentration is strongly encouraged.
5. Elective (3 hours).
6. Dissertation Research (at least 16 hours).
7. ACS 7820 (3-hour seminar in Dissertation Research and Writing).
8. Professional Activity: During their course of study in the Ph.D. program, students are encouraged and expected to participate in a range of professional activities aimed at preparing them to compete successfully on the job market. These include activities such as professional conference presentations, publication in scholarly journals and edited volumes, internships, and/or other professional activities related to their chosen field. The ACS Program assists students in the pursuit of these activities in a variety of ways, including the supervision of internships.

Examinations: Successful completion of a general preliminary examination is required for formal advancement to candidacy. The preliminary examination is an interdisciplinary examination over the literature in the student's major area of concentration.

Dissertation: The dissertation should be consistent with the candidate's planned profession and course of study in the doctoral program. It marks the culmination of the candidate's course of study. Dissertation committees must consist of a minimum of three faculty members from cooperating departments/programs/schools who are officially affiliated with the American Culture Studies Program, plus a graduate faculty representative appointed by the Graduate College. Other appropriate faculty may be included with the approval of the Executive Committee.

Graduate Courses

Please access graduate courses online at www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html

ANALYTICS

Michael Y. Ogawa, Dean, Graduate College
 Keith E. Ramsdell, Graduate Coordinator
 120 McFall Center
 Phone: 419-372-2209
 E-mail: kramsde@bgsu.edu

Degree Offered

Master of Science in Analytics (MSA)

Analytics Program Committee

Jim Albert, Hanfeng Chen, Hassan Rajaei, Christopher Rump,
 Sachidanandam Sakthivel, Arthur Yeh

The Master of Science in Analytics (MSA) is housed in the Graduate College and is offered jointly by the Department of Applied Statistics and Operations Research (ASOR) and the Department of Accounting and Management of Information Systems (AMIS) of the College of Business, and the Department of Mathematics and Statistics and the Department of Computer Science (CS) of the College of Arts and Sciences.

The MSA is designed for individuals who want to enter the work force as a data analyst/business analyst/business intelligence analyst. The role of a data analyst in a corporation consists of supporting either specific corporate functions, such as marketing and sales, human resource, customer relationship management, or company-wide functions as an in-house analytics consultant. The general responsibility of a data analyst is helping the corporation analyze various kinds of company data for the purpose of detecting problems, finding root causes, predicting trends, and optimizing business operations as part of a fact-based, data-driven decision making process.

The degree is innovative in that it integrates statistics, computer science and operations research. It also differs from a traditional master's level degree in applied statistics, computer science or operations research in that the emphasis is on applications and hands-on experience. The MSA is only offered as a full-time, cohort-based program with cohorts starting in the fall semester and degree completion expected in twelve months.

Prerequisites to Graduate Work in Analytics

This program is designed for students who have successfully completed college coursework in calculus, computer programming and statistics. Applicants without this background will be expected

to take courses in these disciplines prior to enrolling in the program. Bowling Green State University offers the equivalent of these prerequisites during the summer prior to the start of each cohort. This "boot camp" consists of MSA 5000 and MSA 5001.

Admission Procedure

Applicants seeking admission to the MSA program should follow the instructions outlined in the "Graduate Admission" section of this catalog. The program strongly recommends that applicants have a minimum of a 3.0/4.0 undergraduate grade point average (GPA). Applicants are also required to submit official scores from the Graduate Record Examination (GRE) or the Graduate Management Admission Test (GMAT).

Degree Requirements

The Master of Science in Analytics is a rigorous program that requires 33 semester hours consisting of thirteen graduate courses: MSA 5020, 5160, 5400, 5470, 5600, 6010, 6440, 6450, 6500, 6600, 6701, 6702 and 6703. These courses are offered in a "lockstep" format.

Graduate Courses

Please access graduate courses online at <http://webapp.bgsu.edu/courses/indexps.php>. Graduate courses required by the Master of Science in Analytics program use the prefix MSA.

APPLIED GEOSPATIAL SCIENCE

Kurt Panter, Graduate Coordinator
190 Overman Hall
Phone: 419-372-2886

Degree Offered

Graduate Certificate in Geospatial Technology; Master of Science

Graduate Faculty*Professors*

Charles Onasch, Ph.D. (Emeritus); Robert Vincent, Ph.D. (Emeritus)

Associate Professors

Enrique Gomezdelcampo, Ph.D.; Peter Gorsevski, Ph.D.; Sheila Roberts, Ph.D.; Yu Zhou, Ph.D.

Assistant Professors

Andrew Gregory, PhD.; Anita Simic, PhD.

The School of Earth, Environment and Society offers a Master of Science degree in Applied Geospatial Science. This interdisciplinary program will focus on the use of geospatial tools (GIS, remote sensing, GPS) for solving problems in the natural and social sciences, with particular emphasis on energy, broadly defined to include exploration, development, and environmental stewardship as they relate to energy resources. The degree is designed to prepare students for careers in a wide variety of fields including energy exploration and production, natural resource assessment and development, environmental monitoring and remediation, urban planning, business, and demography.

Prerequisites to Graduate Work

We welcome students with undergraduate degrees in the natural sciences, social sciences, or business who have an interest in the application of geospatial tools in their field. While not a prerequisite, some coursework or experience in computer programming, statistics, and/or quantitative analysis is desirable.

Admission Procedure

Applicants seeking admission to the graduate programs in applied geospatial science should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Science***

The M.S. in applied geospatial science is offered under Plans I & II. Candidates for the Plan I are required to complete:

1. an approved degree program of courses;
2. an acceptable thesis proposal including its successful oral defense before the thesis committee no later than the end of the second semester of full-time residence; and
3. an acceptable thesis, including its successful oral defense before the thesis committee.

Candidates for the Plan II are required to complete:

1. an approved degree program of courses;
2. a research project consisting of an in-depth study of interest in geospatial science or an internship consisting of an experience that utilizes geospatial tools, the results of which will be presented orally; and
3. a comprehensive exam in the final semester.

Graduate Courses

Please access graduate courses online at

<http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>.

Graduate courses offered by the School of Earth, Environment and Society use the prefix: SEES.

APPLIED STATISTICS AND OPERATIONS RESEARCH

Arthur B. Yeh, Chair
 Jane Chang, Graduate Coordinator
 344 Business Administration Building
 Phone: 419-372-2363

Degree Offered

Master of Science

Graduate Faculty*Professors*

Richard "Herb" McGrath, Ph.D., Arthur Yeh, Ph.D.

Associate Professors

Jane Chang, Ph.D.; Christopher Rump,
 Ph.D.

Assistant Professors

Ibrahim Capar, Ph.D.; Arka Roy, Ph.D.

Statistics Program Committee

Jane Chang, Hanfeng Chen, Wei Ning, Junfeng Shang, Arthur Yeh

The Master of Science in Applied Statistics is offered jointly by the Department of Mathematics and Statistics and the Department of Applied Statistics and Operations Research. The program is designed to prepare students for direct entry into careers as statisticians in business, industry, or government, or for further study toward a Ph.D. degree in statistics.

Prerequisites to Graduate Work in Applied Statistics

This program is designed for students with a background in mathematics or statistics. Students without this background should expect to take longer to complete the degree requirements.

Applicants must have satisfactorily completed courses in differential and integral calculus, including multivariable calculus; a course in advanced calculus; and a course in linear algebra. At the Bowling Green State University, these requirements are equivalent to the completion of MATH 2330, MATH 4320, and MATH 4340.

These prerequisites may be waived for admission to the program but must be fulfilled early in the program.

Although no background in statistics is required for admission into the program, it is beneficial for applicants to have completed an

introductory two-course sequence in probability and statistics, equivalent to MATH 4410 and MATH 4420 at Bowling Green State University.

Admission Procedure

Applicants seeking admission to the M.S. program should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Science in Applied Statistics***

Candidates must complete at least 33 semester hours of approved graduate credit, including at least 18 hours in courses numbered 6000 or above, excluding MATH 6850, 6940, and 6950. In addition, students must satisfy all the requirements described below. Students may pursue the M.S. degree under either Plan I or Plan II. Requirements under either plan are: MATH 6410 and 6420, STAT 5020, 5060, and 5080, and five elective courses (15 credit hours) in statistics (at least three at the 6000 level). Of these elective courses, at least six hours must be from the Department of Mathematics and Statistics and at least six must be from the Department of Applied Statistics and Operations Research. The remaining three hours may be from the offerings of either the Department of Applied Statistics and Operations Research or the Department of Mathematics and Statistics, or may be any graduate course approved by the advisor. Any of these courses may be waived at the graduate level for students who can document equivalent undergraduate or graduate training; however, the credit hour requirement will not be reduced in this case. The student will be expected to substitute appropriate electives.

Plan I: Candidates must complete a minimum of 33 semester hours of graduate course work and three hours of thesis credit. Candidates must submit a thesis on a topic approved by the Statistics Program Committee and must pass an oral examination over the thesis and MATH 6410 and 6420, and STAT 5020, 5060, and 5080.

Plan II: Candidates must complete a minimum of 33 hours of graduate course work including STAT 6750. Students must pass a written and oral comprehensive examination over MATH 6410 and 6420, and STAT 5020, 5060, and 5080. However, the oral examination will be waived for students with sufficient written examination scores.

M.S. in Applied Statistics with a specialization in Business Analytics

Candidates must complete at least 39 semester hours of approved graduate credit, including at least 18 hours in courses numbered 6000 or above. In addition, students must satisfy all the requirements described below. Students may pursue the M.S. degree under either Plan I or Plan II. Requirements under either plan are: MATH 6410 and 6420, STAT 5020, 5080, 5160, and 6440, OR 6610, MIS 5400, and either OR 6620 or MATH 5450; and three elective courses (nine credit hours) with one from each of three groupings, OR/CS/MIS, STAT/MATH, and ECON/MBA.

Plan I: Candidates must prepare a formal thesis while enrolled in STAT 6990 for at least three hours in addition to the 36 semester hours of graduate credit described above. The thesis must be successfully defended at an open meeting. Enrollment in STAT 6990 is restricted to students who have completed at least 18 hours of course work. The thesis committee should include at least one faculty member from the Department of Applied Statistics and Operations Research, and at least one faculty member from the Department of Mathematics and Statistics.

Plan II: Candidates must complete STAT 6750 and must pass separate comprehensive examinations in Applied Statistics (STAT 5020 and STAT 5080) and Mathematical Statistics (Math 6410 and Math 6420).

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses in these programs use the prefixes STAT, OR, CS, MATH, MBA, ECON.

ARCHITECTURE & ENVIRONMENTAL DESIGN

Wilfred Roudebush, Interim Chair
 Andreas Luescher, Graduate Coordinator
 400 E Poe Road – Architecture Studios
 Phone: 419-372-2724

Degree Offered

Master of Architecture

Graduate Faculty

Professors:

Salim Elwazani, Ph.D., AIA; Stan Guidera, Ph.D., RA; Andreas Luescher, Ph.D.;

The Master of Architecture Program prepares students towards becoming licensed architects upon completion of two years of full-time study consisting of 52 semester hours. The M.Arch. is a candidate for accreditation by the National Architectural Accrediting Board (NAAB).

In keeping with Bowling Green State University's vision of becoming a premiere learning community, the Master of Architecture Program takes a quality-driven approach to education and strives to maintain a pedagogical approach that balances the development of student knowledge and skills with the cultivation of professional values and leadership abilities.

The Program approaches theory, design, technology, communication, and practice as synergistic parts in the conviction that broad-based inquiry and analysis benefit not only the students, but also the institution, community, and profession.

Prerequisites to Graduate Work

The BGSU Master of Architecture program is for students holding a four-year Bachelor of Science degree with a major in architecture or an equivalent pre-professional degree from a domestic or international institution recognized by BGSU.

Those holding a degree in fields other than architecture may be admitted to the master's program with limited standing until specific prerequisite courses have been completed.

Admission Procedure

In addition to the BGSU "Graduate Admission" requirements (in this catalog), including a minimum of 3.0 grade point average, applicants for the M.Arch. Program must submit and satisfy the

following Department of Architecture and Environmental Design requirements:

- A concise statement outlining the applicant's reasons for applying to the master's degree program and why an application should be favorably considered (no more than 1 page).
- Three letters of recommendation from previous professors and/or employer.
- Electronic portfolio. The portfolio should have a minimum of five projects with a range of complexity representing work over the applicant's undergraduate career and professional experience, if applicable. Projects should be described through title, course, professor or firm, dates of execution, and preferably a synopsis. The size and format of the portfolio is left to the discretion of applicant. However the portfolio must be submitted as a single Adobe PDF file no larger than 10 MB.

A standard test, such as GRE, is not required. The portfolio discussed above is a superior measure of applicants' aptitude in harmony with the design nature of the program.

A personal interview is not required; however, those wishing to visit BGSU are encouraged to contact the Department's Chair.

Degree Requirements

The 52 semester credit hours professional Master of Architecture (M.Arch.) degree revolves a) around the technical explorations of materials, structure, and sustainability in the context of design, and b) around the historical, urban, and preservation paradigms of buildings and cities. These areas of interest integrate with entrepreneurial theories and strategies as a medium to advancing architectural design and practice. A Professional Practice/Entrepreneurship core of courses, including Applied Entrepreneurship internship, and a Business Core of courses in collaboration of the College of Business coalesce to buttress this unique feature of the M.Arch. Program.

Graduate Courses

The graduate architecture curriculum immerses students in rigorous cognitive and reflective experiences with a focus on researching problems and shaping spatial environments in a manner germane to modalities in professional practice. With a strong exposure to community projects and international experiences, the curriculum is particularly suited to individuals with

a strong interest in expanding entrepreneurial perspectives in anticipation of future roles in a rapidly changing professional climate.

Candidates for the Master of Architecture fulfill the 52 graduate credits through the following core areas:

- Graduate Design Studios
- History/Theory
- Building Technologies
- Professional Practice
- Business

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Architecture and Environmental Design use the prefix: ARCH.

Accreditation

In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture offered by institutions with U.S. regional accreditation, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted a 8-year, 3-year, or 2-year term of accreditation, depending on the extent of its conformance with established educational standards.

Doctor of Architecture and Master of Architecture degree programs may require a pre-professional undergraduate degree in architecture for admission. However, the pre-professional degree is not, by itself, recognized as an accredited degree.

The NAAB grants candidacy status to new programs that have developed viable plans for achieving initial accreditation. Candidacy status indicates that a program should be accredited within 6 years of achieving candidacy, if its plan is properly implemented. In order to meet the education requirements set forth by the National Council of Architectural Registration Boards, an applicant for NCARB Certificate must hold a professional degree in architecture from a program accredited by the NAAB; the degree must have been awarded not more than two years prior to initial accreditation. However, meeting the education requirement for the NCARB Certificate may not be equivalent to meeting the education

requirement for registration in a specific jurisdiction. Please contact NCARB for more information.

Bowling Green State University, Department of Architecture and Environmental Design, is in candidacy for accreditation of the following NAAB-accredited degree program.

M. Arch. (preprofessional degree + 52 graduate credits)

Initial Candidacy granted: 2013

Continuation of Candidacy granted: 2015

Project year of initial accreditation: 2019

ART

Charles Kanwischer, Director, School of Art
 Mille Guldbeck, Graduate Coordinator
 123 Fine Arts Center
 Phone: 419-372- 8526
 Fax: 419-372-2544

Degree Offered

Master of Arts; Master of Fine Arts

Graduate Faculty*Professors:*

Michael Arrigo, M.F.A.; John Balistreri, M.F.A; Janet Ballweg, M.F.A, Dena Eber, Ph.D.; Mille Guldbeck, M.F.A.; Charles Kanwischer, M.F.A.; Bonnie Mitchell, M.F.A.; Shawn Morin, M.F.A.; Thomas Muir, M.F.A., Katerina Ruedi-Ray, Ph.D.; David Sapp, M.F.A.; Dennis Wojtkiewicz, M.F.A.

Associate Professors:

Todd Childers, M.F.A.; Heather Elliott-Famularo, M.F.A.; Rebecca Green, Ph.D.; Andrew Hershberger, Ph.D.; Allie Terry-Fritsch, Ph.D.; Lynn Whitney, M.F.A.; Lori Young, M.F.A.

Assistant Professors:

Leigh-Ann Pahapill, M.F.A.; Jenn Stucker, M.F.A.; Heejoo Kim, MFA; Sean Letherbury, Ph.D.; Barbara Bergstom, Ph.D.

Graduate Programs and Standards Committee:

Elected members of the graduate faculty and the graduate coordinator (a rotating faculty committee)

The School of Art offers programs leading to the degrees of Master of Arts and Master of Fine Arts. Students pursue course work in M.F.A. two-dimensional studies (painting/drawing, and printmaking), M.F.A. three-dimensional studies (ceramics, glass, jewelry/metals, and sculpture), M.F.A. digital arts (animation, imaging, and interactive media) and M.A. art history.

Within these programs students find a broad range of studio and academic disciplines, united by a deep commitment to technical development sustained by rigorous examination of accompanying contextual and conceptual issues. The School of Art's M.A. and M.F.A. programs seek to foster a productive and diverse community of artists and scholars whose shared goal is preparation for careers in the visual arts.

The School of Art also offers classes taught abroad in partnership with Studio Art Centers International (SACI), located in Florence, Italy.

Prerequisites to Graduate Work

Admission to the M.F.A. program in studio art requires the equivalent of a Bachelor of Fine Arts degree or 60 hours in art and 12 hours in art history.

For admission to the M.A. program in art history, an undergraduate background in fine arts, art history, or humanities is highly recommended. Deficiencies in art history may have to be addressed prior to formal acceptance into the M.A. art history program.

Admission Procedure

Applicants seeking admission to the M.A. and M.F.A. programs should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Applicants to the M.F.A. program in studio art are required to upload a portfolio consisting of a cover letter describing goals, objectives, educational background, and personal history; resume; three original letters of recommendation; and 20 jpg images from the proposed area of specialization accompanied by a corresponding image list. Application can be uploaded via slideroom portal

Applicants to the M.A. art history program are required to submit an application consisting of a cover letter describing goals, objectives, educational background, and personal history, resume, three original letters of recommendation, and a sample paper from a recent art history course. Application can be uploaded via slideroom portal.

The online application, application fee, TOEFL scores (required if English is not the applicant's first language), one official transcript from each institution attended, and GRE scores will need to be submitted to the Office of Admissions. The postmark deadline for this is February 1 for enrollment the following fall semester. Applicants should keep in mind that there is no summer review of portfolios.

Degree Requirements

Students majoring in a studio area in the M.F.A. program will work with the graduate coordinator to choose the student's major professor. The major professor will work with the graduate

coordinator to oversee the student's matriculation process and will serve as the chair of the student's Graduate Review Committee.

The Graduate Review Committee is composed of three graduate faculty members, including the major professor, from the School of Art and the College of Arts and Sciences. All studio majors are subject to periodic reviews by the Review Committee.

Master of Arts

Art History: Candidates must complete a minimum of 33 semester hours of graduate credit distributed as follows: 27 semester hours of art history, nine must be in 5000-level seminars, must be in either 5000- or 6000-level seminars, and three must be in ARTH 5900 Professional Practices; three hours of art studio or other academic course (which can include an additional art history course); and three hours of ARTH 6990 Thesis Research (taken student's final semester). In addition, as a prerequisite to admission to M.A. degree candidacy and thesis work, students must satisfactorily complete a comprehensive examination in art history after successful completion of 18 semester hours of art history courses.

Candidates in art history are also required to demonstrate a reading proficiency in one of the approved languages of scholarship other than English. The appropriate language will be determined in consultation with the student's advisor (who will be one of the full-time faculty in art history). Proficiency is usually certified by a B-level examination or equivalent, as described under Option A in the "Language Requirements" section of this catalog. Finally, students are required to give a formal, public, oral presentation of their thesis work after their thesis has been approved by their full committee.

Master of Fine Arts

Candidates must complete a minimum of 60 semester hours of graduate credit, with a grade of "C" or better, distributed as follows: 21 hours studio within specialization; nine hours studio critique; 12 hours studio elective; six hours art history; three hours academic elective; three hours general elective; three hours pedagogy; and three hours exhibition research.

Total hour requirements may be reduced for students who can apply credit from previous graduate work (up to nine hours). Students are required to complete a minimum of two full-time semesters in residence.

Students entering the M.F.A. degree program have probationary status during the first 15 semester hours of work. In the semester immediately following the completion of this 15-hour requirement (summer excepted), the student must pass the initial review for permission to continue in the program.

Students wishing to enroll in courses outside of their area of specialization must display a proficiency in the chosen area. The instructor may require remedial undergraduate study before approval to take the graduate course is given.

Awarding of the degree is contingent upon recommendation for graduation by the Graduate Review Committee after a final review of work submitted by each candidate.

The M.F.A. exhibition required of each student is the culmination of the candidate's work in his or her studio discipline. The exhibition is a major show including an in-lieu-of-thesis statement and documentation of the work, which must be accompanied by an exhibition brochure.

M.F.A. exhibitions are usually held spring semester in the Dorothy Uber Bryan Gallery in the Fine Arts Center, though exceptions can be made. The M.F.A. exhibition must be approved by the Graduate Review Committee.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the School of Art use the prefix: ART, ARTC, ARTH, and ARTS.

BIOLOGICAL SCIENCES

Jeff Miner, Chair
 Karen Root, Graduate Coordinator
 217 Life Sciences Building
 Phone: 419-372-2332

Degrees Offered

Graduate Certificate in Bioinformatics, Proteomics/Genomics;
 Master of Arts in Teaching; Master of Science; Doctor of
 Philosophy

Graduate Faculty*Professors*

Verner Bingman, Ph.D. (Psychology); Juan Bouzat, Ph.D.; George Bullerjahn, Ph.D.; Carol Heckman, Ph.D.; Robert Huber, Ph.D.; R. Michael McKay, Ph.D.; Lee Meserve, Ph.D.; Jeffrey Miner, Ph.D.; Paul Moore, Ph.D.; Paul Morris, Ph.D.; Scott Rogers, Ph.D.; Moira van Staaden, Ph.D.; Ron Woodruff, Ph.D.; Jill Zeilstra-Ryalls, Ph.D.

Associate Professors

Gabriela Bidart-Bouzat, Ph.D.; Michael Geusz, Ph.D.; Raymond Larsen, Ph.D.; Helen Michaels, Ph.D.; Vipa Phuntumart, Ph.D.; Karen Root, Ph.D.; Karen Sirum, Ph.D.; Daniel Wiegmann, Ph.D.; Zhaohui Xu, Ph.D.

Assistant Professors

Kevin McCluney, Ph.D.; Shannon Pelini, Ph.D.; Hans Wildschutte, Ph.D.; Julia Wildschutte, Ph.D.

The Department of Biological Sciences offers graduate training for professional careers in both applied and fundamental areas of biology. Programs are available leading to the degrees of Master of Arts in Teaching, Master of Science, and Doctor of Philosophy. Major areas of concentration include molecular biology, microbiology, cell biology, ecology and conservation biology, genetics, physiology, neuroscience and behavior, aquatic ecology, and plant science. Interdisciplinary research programs in the fields of chemistry, geology, and psychology are also available.

Prerequisites to Graduate Work

Prerequisites for the M.S. program include completion of a baccalaureate degree, normally in one of the biological sciences, and completion of course work in organic chemistry and calculus.

Applicants who are deficient must complete these prerequisites before the end of the first year.

Applicants to the Ph.D. program who have a grade point average of at least 3.3, scored above the 60th percentile on the GRE, and present evidence of research ability may apply, with permission of the Graduate Coordinator, to the Graduate Committee to enter directly into the Ph.D. program following completion of the baccalaureate degree. A separate application to the Ph.D. program must be made by students completing a master's degree, even if the degree is from Bowling Green State University. Within three semesters of entering the Department of Biological Sciences master's program at the University, a student may apply to enter the Ph.D. program.

Admission Procedure

Applicants seeking admission to the graduate programs in biological sciences should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Applicants to the M.S. and Ph.D. programs should indicate their intended area of specialization and identify potential advisors to facilitate the application process.

Degree Requirements***Master of Arts in Teaching***

Degree requirements are listed under the heading of Master of Arts in Teaching in the "Degree Programs" section of this catalog.

Master of Science

Students may pursue the M.S. degree under one of two plans.

Plan I: Plan I is a thesis option recommended for students who intend to continue on to a Ph.D. program as well as students who want to pursue careers involving biological research. Students must complete at least 30 semester hours of graduate credit, including one hour of BIOL 7810, and three to six hours of BIOL 6990. The remainder of the student's course of study is designed, with the advice of the student's committee, to meet the student's particular needs and interests.

Candidates must complete an original research program and a thesis. Research is carried out with the help and supervision of a graduate faculty adviser designated by the student. The final oral examination covers both the contents of the thesis and general biological knowledge.

Plan II: Plan II is a non-thesis plan designed to meet the needs of students whose career goals do not require a research-oriented

course of study. Candidates are required to complete 34 semester hours of graduate credit including one hour of BIOL 6020. The rest of the program is designed, with the advice of the student's committee, to meet the student's needs and interests.

In lieu of a thesis, students must complete both a paper based on either original research or a literature search and a comprehensive written examination. The final oral examination covers the student's written work as well as general biological knowledge.

Doctor of Philosophy

Students must complete at least 60 semester hours of graduate credit beyond the master's degree or 90 semester hours beyond the bachelor's degree. These hours must include at least 16 hours of BIOL 7990, Dissertation Research (no more than 30 are applicable to the degree), BIOL 6820, and at least one hour of 7810. The rest of the student's course of study is designed, with the advice of the student's doctoral committee, to meet the student's needs and interests.

Students must complete a preliminary written and oral examination covering general biological knowledge, usually by the end of the second year of study. Students then prepare a dissertation proposal, based on an independent research project that is acceptable to their doctoral committee. Students successfully completing these steps are considered to be candidates for the Ph.D. degree.

The candidate's research project is to be described and evaluated in the dissertation. The final oral examination consists of a defense of the dissertation and may cover related fields of study. Doctoral students are expected to submit a manuscript for publication before they graduate.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Biological Sciences use the prefix: BIOL.

BUSINESS ADMINISTRATION

David Chatfield, Graduate Coordinator
 371 Business Administration Building
 Phone: 419-372-2488 or 800-247-8622
 Fax: 419-372-2875
 Email: mba-info@bgsu.edu

Degree Offered

Master of Business Administration

Bowling Green State University has offered the Master of Business Administration degree since 1966. The degree is accredited by AACSB International – The Association to Advance Collegiate Schools of Business. The mission of the College of Business Administration’s Master of Business Administration degree is to be the premier M.B.A. degree in the region and one of the best in the nation, with a commitment to excellence and continuous improvement in graduate business education.

The Master of Business Administration degree prepares tomorrow’s global leaders by involving students and faculty in the exploration of the significant challenges, opportunities, and problems facing organizations in both the private and public sectors. M.B.A. students at BGSU pursue integrative, continuously improving curricula that simultaneously challenge and stimulate. The integrative nature of the M.B.A. degree encourages students to observe the interdependent nature of organizational problems and to identify creative, comprehensive solutions. Apart from being highly relevant to the needs of organizations in the global economy, the degree helps students improve their teamwork, leadership, and critical thinking skills in a learning environment that fosters cross-cultural sensitivity and adherence to the highest ethical standards.

Individuals may pursue the M.B.A. degree through the full-time, Professional, or Executive program. The M.B.A. curriculum covers the following areas: accounting, economics, ethics and law, finance, information technology, international business management, leadership and change, quantitative methods, marketing, operations management, strategy design and implementation and electives.

Admission Procedure

All three of the M.B.A. programs are designed for individuals with or without an undergraduate degree in business. The full-time program does not require professional experience as a condition of

admission. However, the Professional and Executive M.B.A. programs require three or more years of full-time professional or managerial experience for admission. The Graduate Management Admission Test (GMAT) is required for admission into all programs leading to the M.B.A. degree. Applicants who earned a prior graduate degree from a regionally accredited university are eligible for an exemption from the GMAT requirement based upon their academic performance in their programs, whether their programs required a standardized admission test, and their professional qualifications. Similarly, Executive MBA applicants with ten or more years of professional work experience, at least five years of full-time experience in a significant management capacity, and an undergraduate grade point average of at least 2.8 on a 4.0 scale may be eligible for an exemption from the GMAT. Please contact Graduate and Executive Programs in Business for more information on the GMAT waiver.

Applicants seeking admission to one of the three M.B.A. programs should follow the instructions outlined in the “Graduate Admission” section of this catalog. Application forms and instructions are available from Graduate & Executive Programs in Business or can be obtained from the M.B.A. website at www.bgsumba.com. Applicants are reminded that the full-time M.B.A. program begins in late August. Applicants should contact Graduate and Executive Programs in Business for application deadlines and plan their application process accordingly.

Degree Requirements***Full-time and Professional M.B.A. Programs***

The full-time program serves individuals who plan to enroll in 12 or more graduate credit hours per semester. The full-time program requires 39 graduate credit hours of course work, and at least two graduate credit hours of professional development seminars. The 14 required courses and the professional seminars must be completed in a specific order. This format is designed to foster integration across the program and a strong learning community among the program’s participants. Enrollment in the full-time program is limited, and students may enter the program only in the fall semester. Students can complete a general M.B.A. degree in 3 semesters or complete an M.B.A. degree with a specialization in 4 semesters of full-time study.

The Professional M.B.A. program serves individuals who must pursue their M.B.A. degrees as part-time students. Classes are offered Monday through Thursday evenings. The professional program requires 30-36 graduate credit hours, depending upon a student’s previous academic background. Professional students

are encouraged to take two courses per semester so they can progress through the program lock-step with their cohort. At two courses per semester, the M.B.A. degree can be completed in as little as 23 months.

The full-time and professional programs share 12 required courses. The four foundation courses include ECON 6000, and MBA 6000, 6010, and 6030. The seven core courses include STAT 6010, MBA 6020, 6040, 6050, 6060, 6070, and 6080. The capstone course is MBA 6090. Full-time students are required to enroll in MBA 6100 - Challenges and Responses of the Global Firm and two credit hours of MBA 5830, Topics in Management. Professional students are not required to complete these two courses.

Both programs require that the foundation courses be completed before taking the core courses, with the exception of STAT 6010, which must be taken prior to MBA 6010. All core courses must be completed before taking the capstone course. The full-time M.B.A. program offers formal specializations in accounting, finance, and supply chain management. The accounting specialization requires ACCT 3210, 5220, 5510, 5600, and 6410. Students are also required to complete one additional 5000-level accounting courses. A 6000-level accounting course may be used to fulfill the elective requirement of the specialization with the consent of the Director of Graduate Studies in Accounting. The finance specialization requires MBA 5510 and 5520, and two additional courses selected from MBA 5530, 5540, 5560, 5570, and 5590. The supply chain management specialization requires MBA 5410, MBA 5420, MBA 5450, and MBA 5470. Full-time M.B.A. students may select electives from other graduate offerings on campus or may combine their M.B.A. degrees with a second graduate degree. Interested students should contact Graduate and Executive Programs in Business for further information.

Executive M.B.A. Program

Bowling Green State University began offering an Executive M.B.A. program in 1977 making it the oldest in Ohio and among the 10 oldest in the United States. The EMBA program serves motivated and experienced managers who desire an opportunity to interact with other highly motivated and experienced professionals in an intensive learning environment. The Executive M.B.A. is a rigorous, accelerated program that requires eleven graduate courses: ECON 6000, MBA 6050, 6060, 6070, 6200, 6510, 6520, 6540, 6580, 6590, and 6620. The courses are offered in a "lockstep" format. Students attend class one weekend per month, except during the week-long international field trip. Classes meet on Friday, Saturday

and Sunday from 8 a.m. - noon and 1 p.m.-5 p.m. The format promotes the development of a supportive learning community among the participants. Interested students should contact Graduate and Executive Programs in Business for further information.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses required by Master Business Administration use the prefixes: ACCT, ECON, MBA, and STAT.

CHEMISTRY

John Cable, Ph.D., Chair
 R. Marshall Wilson, Ph.D., Graduate Coordinator
 141 Overman Hall
 Phone: 419-372-2033

Degrees Offered

Master of Science

Graduate Faculty*Professors*

Malcolm Forbes, Ph.D.; Neocles Leontis, Ph.D.; H. Peter Lu, Ph.D.;
 Michael Y. Ogawa, Ph.D.; R. Marshall Wilson, Ph.D.

Associate Professors

Pavel Anzenbacher, Ph.D.; John Cable, Ph.D., Ksenija Glusac,
 Ph.D., Alexander Tarnovsky, Ph.D.

Assistant Professors

Jeremy Klosterman, Ph.D.; Alexis Ostrowski, Ph.D.; Andrew Torelli,
 Ph.D.

The Master of Science in chemistry program offers thesis research opportunities in the traditional areas of organic, inorganic, analytical, physical, and biochemistry. Through the Center for Photochemical Sciences, the department also offers opportunities to combine the traditional disciplines with other sciences to explore basic and applied research problems in the photochemical sciences. The Center offers a Ph.D. program in Photochemical Sciences. See the "Photochemical Sciences" section for further information.

Prerequisites to Graduate Work

Completion of an undergraduate major in chemistry, as defined by the American Chemical Society, is desirable. Three years of chemistry, one year of college physics, and mathematics through calculus are required. Applicants from other undergraduate degree majors are considered for admission if they plan to specialize in biochemistry. Such applications are considered on an individual basis and enrollment in some undergraduate courses is sometimes necessary to attain prerequisites for graduate work.

Admission Procedure

Applicants seeking admission to graduate programs in chemistry should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Science***

All first-semester students must take orientation examinations in organic and physical chemistry just prior to their first registration. These are nationally standardized tests at a difficulty level similar to the final undergraduate examinations in each of these areas. The results are used to advise students in their initial course registration.

Students may pursue the M.S. degree under one of two plans.

Plan I: Candidates must complete a minimum of 30 semester hours of graduate credit and a thesis. The following courses (or their equivalents) are required: CHEM 5060; at least one course from CHEM 5420, 6140, 6180, and 6210. Students must complete four of the following six area choices, or have previously had their equivalent: (1) CHEM 5540 (Analytical); (2) CHEM 6140 or 6210 (Physical); (3) CHEM 5420 or 6180 (Organic); (4) CHEM 5630 or 6160 (Inorganic); (5) CHEM 5450 or 5470 (Biochemistry); and (6) approved courses in biological sciences, mathematics, or physics.

Two of the four areas must be completed with 6000-level courses. Students receive credit toward graduation for no more than six hours of CHEM 6990; two hours of CHEM 6810; two hours of CHEM 6820; two hours of CHEM 6900; and three hours of CHEM 6310-6360. Courses such as CHEM 6810, 6820, 6900, and 6940 include a wide range of topics and specialized training sessions in laboratory and instrumentation research techniques, thereby affording students opportunities to broaden their knowledge outside their chosen specialization area.

Candidates are required to pass a written examination in their major field of research specialization at least three months prior to submitting their thesis for approval. The written examination is waived for students whose grade point average is at least 3.3 in the courses from the area choices listed above completed at the time they first satisfy the four-area and two 6000-level course requirements. Candidates must complete a research project acceptable to their committee. This research is to be described and evaluated in the thesis.

Candidates must also pass an oral examination defending their thesis research and covering closely allied areas.

Plan II: Candidates must complete 33 semester hours of graduate credit and a written comprehensive examination. The following courses (or their equivalents) are required: CHEM 5060 and 6900;

three of CHEM 5420, 5450, 5540, and 5630. Students who have taken equivalent courses as an undergraduate may not receive credit for these courses. Candidates must complete four of six area choices listed under Plan I.

Students must complete a minimum of 20 hours of chemistry course work, of which no more than two hours may be in CHEM 6810, no more than four hours in CHEM 6820, and no more than four hours in CHEM 6900. CHEM 6990 and CHEM 6310-6360 cannot be applied as credit towards the Plan II degree. Students must present two CHEM 6810 seminars.

Candidates must pass a written comprehensive examination covering the areas of chemistry included in their degree program not later than four weeks prior to the awarding of the degree.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Chemistry use the prefix CHEM.

CLASSROOM TECHNOLOGY

Dr. Timothy Murnen, Interim Director, School of Teaching and Learning

Allison Goedde, Graduate Coordinator

Phone: 419-372-7320

Degrees Offered

Master of Education

Graduate Faculty**Professor**

Savilla Banister, Ph.D.

Assistant Professors

Lan Li, Ph.D.

The Master of Education in Classroom Technology (MCT) is one of BGSU's newly designed e-Campus programs to meet the fast paced needs of online students. The entire program is offered in the 100% online format, requiring no meetings on site. Courses are offered on an 8-week rotating schedule. The curriculum focuses on leadership in the field of classroom technology and opportunities for teachers to build strategies to engage and empower student learning in the 21st Century. In addition, courses in this program develop coaching and mentoring skills with technology integration practices. Graduates will be prepared to demonstrate leadership for local, state or national technology initiatives. The Master's in Classroom Technology is accredited by National Council of Accreditation in Teacher Education (NCATE), and Ohio Department of Education. Upon completion, students with a current Ohio teaching license can apply to receive the Ohio endorsement in Computer Technology.

Prerequisites for Graduate Work

Prerequisites for the M.Ed. programs include a bachelor's degree from an accredited institution.

Admission Procedure

Applicants seeking admission to the graduate programs offered by the School of Teaching and Learning should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Education in Classroom Technology***

Candidates must complete a minimum of 34 semester hours of graduate credit. The following courses are required: EDTL 6310, EDTL 6320, EDTL 6330, EDTL 6340, EDTL 6350, EDTL 6360,

EDTL 6390, EDTL 6150, EDTL 6180, EDFI 6420, EDFI 6450 (or EDFI 6410), & EDTL 6380. Students may apply for the Computer Endorsement from the Ohio Department of Education after completing the 16 hours of coursework identified for this credential. In addition, the 34-hour master's degree offers additional coursework in dynamic media, online teaching and learning, and media/information literacy.

Graduate Courses

Please access graduate courses online at

<http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses

associated with the degree in Classroom Technology use the prefix EDTL.

COLLEGE STUDENT PERSONNEL

Maureen E. Wilson, Chair/Graduate Coordinator
 330 Education Building
 Phone: 419-372-7382
<http://bgsu.edu/csp>

Degree Offered

Master of Arts

Graduate Faculty*Professors*

Kenneth Borland, Jr., Ed.D.

Associate Professors

Ellen M. Broido, Ed.D.; Dafina-Lazarus Stewart, Ph.D.; Maureen E. Wilson, Ph.D.

Assistant Professors

; Christina J. Lunceford, Ph.D.; Hyun Kyoung Ro, Ph.D.

The Master of Arts in College Student Personnel, offered by the Department of Higher Education and Student Affairs, is designed to prepare individuals for employment within the general area of student affairs and student development services in postsecondary education. Candidates are prepared as generalists and are qualified for positions in such areas as academic advising, admissions, orientation, residence life, student activities and organizations, career services, and alumni affairs. This program offers both rigorous academic preparation and extensive experiential learning opportunities. All students are required to successfully complete a two year internship, which they may complement with additional practicum experiences. Full-time employment in student affairs may serve as the internship.

Prerequisites to Graduate Work

There is no specific undergraduate major required as a prerequisite for application for the college student personnel program. However, it is helpful for applicants to have completed some course work in the behavioral sciences, such as psychology or sociology. The quality of the applicant's undergraduate program, letters of recommendation, and employment or other such experiences within student affairs are important factors in determining the admissibility of an applicant to the program. Invited applicants must also interview successfully for an internship assignment before a recommendation is made to the Graduate College for regular

admission to the program. Applicants for part-time study should consult with the program chair.

Admission Procedure

Applicants seeking admission to the College Student Personnel Program should follow the instructions outlined in the "Graduate Admission" section of this catalog and should contact the college student personnel program directly for additional supplemental application materials.

Degree Requirements**Master of Arts**

The M.A. degree program allows some flexibility based on the individual student's needs and goals. CSP courses emphasize the social, psychological, and philosophical foundations of student affairs practice in postsecondary institutions. Although most of the course requirements are met by offerings in the College of Education and Human Development, candidates are encouraged to take advantage of elective courses in other colleges.

The required 42 semester hours of graduate credit include six CSP core courses, one course each in statistics and research methodology, and additional elective courses selected in consultation with a faculty adviser. Students may choose courses that provide concentrations in such areas as counseling or administration, or that focus on the needs of diverse student populations.

In addition to the requirement of the Graduate College to maintain a minimum 3.0 grade point average, students must earn a minimum 3.0 grade point average in the CSP core courses plus an A or B in at least five of the six CSP core courses. If necessary, a core course may be retaken to meet this requirement. The CSP core courses are CSP 6010, 6020, 6030, 6035, 6040, and 6050.

Appointment to a required internship position is earned through a competitive interview process arranged by the CSP program. These internships include positions on the BGSU campus and nearby institutions.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by College Student Personnel use the prefix: CSP.

COMMUNICATION SCIENCES & DISORDERS (CDIS)

Lynne Hewitt, Chair
 Kimberly Traver, Graduate Coordinator
 200 Health & Human Services
 Phone: 419-372-2515

Degrees Offered

Master of Science; Doctor of Philosophy

Graduate Faculty*Professors*

Alexander M. Goberman, Ph.D.;
 Ronald Scherer, Ph.D.

Associate Professors

Tim Brackenbury, Ph.D.; Roger Colcord, Ph.D.; Lynne Hewitt,
 Ph.D.

Assistant Professors

Virginia Dubasik, Ph.D.; Colleen Fitzgerald, Ph.D.; Jason Whitfield,
 Ph.D.

The Department of Communication Sciences & Disorders offers programs leading to the degrees of Master of Science and Doctor of Philosophy. Specialization in speech-language pathology is available under the M.S. program. The M.S. program is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association and meets the academic requirements of the Association's Certificate of Clinical Competence as well as the requirements of licensure from the State of Ohio. Students may optionally pursue licensure to work in the public schools.

Prerequisites to Graduate Work

Admission to the M.S. program usually requires 45 quarter hours or 30 semester hours of undergraduate work in communication sciences and disorders. Applicants may be permitted to substitute certain undergraduate credits in biology, English, and psychology for communication sciences and disorders credits. Applicants with undergraduate majors in fields other than communication sciences and disorders will be considered for admission on an individual basis. The Graduate Coordinator will review the records of all applicants to determine whether prerequisites have been completed. Applications from students with substantial deficits in required prerequisites cannot be considered until the necessary courses have been completed or are shown to be in progress.

Admission Procedure

Applicants seeking admission to the graduate programs in CDIS should follow the instructions outlined in the "Graduate Admission" section of this catalog. Also be sure to consult the department's web page for specific departmental requirements at <http://www.bgsu.edu/college-of-health-and-human-services/programs/department-of-communication-sciences-and-disorders/graduate-program/masters-program/master-s-program-application-process.html>

Degree Requirements**Master of Science**

Students may pursue the M.S. degree under one of two plans: Plan I: Candidates must complete a minimum of 51 semester hours of graduate course work, which must include a basic course in statistics and at least three semester hours of thesis research. Prior to pursuing a thesis topic, a CDIS student must attain a 3.0 GPA in CDIS courses, as well as demonstrate adequate clinical performance.

Plan II: Candidates must complete a minimum of 51 semester hours of graduate course work.

In both Plan I and Plan II, details of expected course sequences in CDIS may be obtained from the CDIS Graduate Coordinator and are found in the department's Master's Degree Handbook at <http://www.bgsu.edu/content/dam/BGSU/health-and-human-services/document/CDIS%20Documents%20-%20CHHS/2015%20Masters%20Handbook.pdf>

The final examination for students under both plans is the national examination in Speech-Language Pathology (PRAXIS). This test is administered by the NTE and can only be taken after all required academic work is completed. Therefore, this examination is usually taken during a student's last semester of study (during their final externship). Students who present a thesis also undergo an oral final examination in addition to the national examination.

Doctor of Philosophy

The doctoral program requires a minimum of 60 semester hours beyond the master's degree or 90 semester hours beyond the bachelor's degree, including dissertation credit; successful completion of a written and oral preliminary examination related to the student's program of study; and completion of a statistical sequence. Students must write a dissertation that is an appropriate culmination of their program of study and pass a final oral examination over the dissertation. Details of expected course

sequences and dissertation directions may be obtained from the CDIS Graduate Coordinator.

Doctoral Bridge Program

For highly qualified applicants, the option exists to pursue a clinical master's concurrently while preparing to continue into the doctoral program. Contact the Graduate Coordinator for further information about this program.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Communication Sciences and Disorders use the prefix: CDIS. A typical Master's Program Sequence of Classes may be found on the website at <http://www.bgsu.edu/college-of-health-and-human-services/department-of-communication-sciences-and-disorders/graduate-program/masters-program/masters-program-degree-course-list.html>.

COMPUTER SCIENCE

Joseph Chao, Chair
 Robert Green, Graduate Coordinator
 221 Hayes Hall
 Phone: 419-372-2337

Degree Offered

Master of Science

Graduate Faculty*Professors*

Julie Barnes, Ph.D.; Venu Dasigi, Ph.D.; Raymon Kresman, Ph.D.;
 Hassan Rajaei, Ph.D.

Associate Professors

Joseph Chao, Ph.D.; Guy Zimmerman, Ph.D.

Assistant Professors

Robert Dyer, Ph.D.; Robert Green, Ph.D.; Jake Lee, Ph.D.;
 Sankardas Roy, Ph.D.; Yan Wu, Ph.D.

The Department of Computer Science offers the Master of Science degree. The M.S. program provides educational opportunities in a wide range of fields of computer science such as software engineering, high performance computing, information security, big data analytics, and computer visualization.

Prerequisites to Graduate Work

Applicants should have a background in computer science equivalent to that provided by the core undergraduate curriculum. Prerequisites may be satisfied by courses taken as an undergraduate, by remedial course work taken while a graduate student, or by substantial practical experience in the computing field. Additional courses in mathematics and statistics are also desirable. Deficiencies in mathematics may be made up at the beginning of graduate study.

Admission Procedure

Applicants seeking admission to the M.S. program in computer science should follow the instructions outlined in the "Graduate Admission" section of this catalog. Those desiring an assistantship should provide a professional résumé as part of the application materials.

Degree Requirements***Master of Science***

Candidates must complete a total of 33 hours of graduate course work, including 15 hours of regular computer science course work at the 6000 level, three hours of either CS 6910 or CS 6990, and 15 additional hours of course work. These additional hours may include computer science course work at the 5000 or 6000 level, including CS 5120. Students in Plan II, and students in Plan I with no more than three hours of credit for CS 6990, may include up to three hours chosen from the following: CS 5850, CS 5890, or approved graduate courses in other departments. Candidates must maintain a 3.0 grade point average overall, as well as a 3.0 grade point average in computer science courses. Students may pursue the M.S. degree under one of two plans.

Plan I: Candidates must prepare a formal thesis while enrolled in CS 6990 for at least three hours. No more than six hours of CS 6990 may be included in the required total of 33 semester hours of graduate credit. The thesis must be defended at an open meeting. Enrollment in CS 6990 is restricted to students who have completed at least 18 hours of course work and have an overall grade point average of 3.5 or better.

Plan II: Candidates must complete a project while enrolled in CS 6910 for at least three hours. No more than three hours of CS 6910 may be included in the required total of 33 hours. Enrollment in CS 6910 is restricted to students who have completed at least 18 hours of course work and who have an overall grade point average of 3.0 or better. Plan II students are required to develop a written report as part of the CS 6910 project. The project must be presented at an open meeting and evaluated by the project supervisor and by one additional CS faculty member.

Requirements for the Dual Master's Degree

A student may design a program of study incorporating computer science and another graduate discipline, leading to the simultaneous award of two master's degrees. This option requires simultaneous admission into the two programs, and is not open to students already pursuing a graduate degree at BGSU. The Graduate College requires a program of study of at least 50 hours for the two degrees, including a maximum of six hours of thesis and no more than eight hours of independent study, readings, and special program registrations. The Department of Computer Science requires that all dual degree students complete a thesis. No CS specializations are available to the student in a dual degree program. The CS requirements for the dual degree program are as follows:

- 12 hours of regular computer science course work at the 6000 level
- 6 hours of thesis research, either CS 6990 or the equivalent course in the other program
- 12 additional hours of computer science course work at the 5000 or 6000 level, including CS 5120. These hours may **not** include CS 5850 or CS 5890.

The thesis topic should demonstrate the effective integration of the two fields. The thesis developed satisfies the thesis requirement for both degrees. Enrollment in thesis research is restricted to students who have completed at least 18 hours of course work. The thesis committee must include two computer science faculty and two faculty from the other program.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Computer Science use the prefix: CS.

CRIMINAL JUSTICE

Steven Lab, Chair
 Melissa Burek, Graduate Coordinator
 223 Health & Human Services
 Phone: 419-372-9542

Degree Offered

Master of Science in Criminal Justice (MSCJ)

Graduate Faculty*Professor*

Michael Buerger, Ph.D.; Steven Lab, Ph.D.

Associate Professors

Melissa Burek, Ph.D.; Christopher Dunn, Ph.D.; John Liederbach, Ph.D.; Philip Stinson, JD, Ph.D.; Adam Watkins, Ph.D.

The Master of Science in Criminal Justice (MSCJ) program offers educational opportunities for professionals who seek a broader understanding of the criminal justice process and the link between research and policy. The MSCJ program also serves those seeking additional credentials for promotion and career enhancement, students interested in pursuing doctoral work in criminal justice, and those in allied fields who are interested in criminal justice issues or careers. The MSCJ program has both on campus and distance learning course offerings. The degree can be earned in either three semesters of full time study or part-time in six semesters.

Prerequisites to Graduate Work

As a general rule, students admitted to the program will hold an undergraduate degree in criminal justice, criminology, or other closely related field. Individuals who possess an undergraduate degree in other academic fields will be considered for admission to the MSCJ program if they have experience as employees in the criminal justice fields, or demonstrate other qualifications and interest pertinent to the course of study.

Specific admission criteria for all regular-status students include (1) a minimum undergraduate GPA of 3.0 (on a 4.0 scale), (2) three letters of recommendation, (3) a written statement of interest and expectations, and (4) official scores on the Graduate Record Examination (GRE)*. For students whose native language is not English, an additional requirement is official Test of English as a Foreign Language (TOEFL) scores.

GPA: An applicant whose undergraduate GPA is below 3.0 may be considered for “conditional admission” status on the strength of other criteria. Students admitted conditionally must achieve an overall graduate GPA of 3.0 for their first 12 credit hours of graduate study. Failure to do so will result in dismissal from the program.

Letters of Recommendation: Letters of recommendation should be addressed to the Coordinator of the Graduate Program. Letters should be from individuals who have knowledge of the applicant’s qualifications and ability to successfully complete graduate study. Typically, letters are written by the applicant’s undergraduate professors, or by supervisors or colleagues who hold graduate degrees themselves.

Written Statement: The written statement is a short piece of writing (from one to three pages) that states the applicant’s reasons for wanting to study Criminal Justice at Bowling Green State University, future goals, and any relevant professional preparation, where applicable.

GRE Scores*: Applicants who meet ONE of the following criteria will not be required to take the GRE:

1. GPA of 3.0 in the last 60 semester hours of undergraduate study.
2. Overall undergraduate GPA of 2.75.
3. 2.5 GPA in the last 60 semester hours of undergraduate study AND 5 years or more of work experience in criminal justice or related field.
4. 3.0 GPA in 9 credit hours of graduate credit.

For applicants who do not meet any of the above criteria, a GRE score of 150 on the Verbal and 141 on the Quantitative sections will be required for acceptance into the MSCJ program.

Degree Requirements***Master of Science in Criminal Justice***

Candidates must complete a total of 33 hours of graduate course work, and may elect to complete the degree by writing a thesis, passing a comprehensive exam, or compiling and reflecting upon the contents of an electronic portfolio.

Plan I: The thesis option is a major project of original research, conducted under the supervision of the student’s major advisor. Students electing this option must register for no fewer than three, nor more than six, credit hours of thesis research as part of their degree program.

Plan II Comprehensive Exam: The comprehensive exam option is designed to allow full-time students to complete their degree within a 12-month school year, if attending full time, or within two years if attending part time.

Plan II Portfolio: Students compile an electronic portfolio consisting of papers and/or projects that are integrated across specific courses. A reflection paper discussing the contents of the portfolio's significance and application relative to the degree program and practical considerations is also required.

The program can also accommodate students whose professional careers require more individualized timetables within university rules. Regardless of the calendar of study, all degrees must be completed either by passing the comprehensive exams or completing a thesis project.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Criminal Justice program use the prefix: CRJU.

CURRICULUM AND TEACHING

Timothy Murnen, Interim Director, School of Teaching and Learning
 Nancy Patterson, Graduate Coordinator
 Phone: 419-372-7320

Degrees Offered

Master of Education

Graduate Faculty*Professor*

Nancy Patterson, Ph.D.; Dawn Shinew, Ph.D.

Associate Professors

Lena Ballone Duran, Ph.D.; Tracy Huziak Clark, Ph.D.; Timothy Murnen, Ph.D.; Sharon Subreeduth, Ph.D.; Eric Worch, Ph.D.

Assistant Professors

Jonathan Bostic, Ph.D.; Brigid Burke, Ph.D.

The Master of Education in Curriculum and Teaching is designed to provide teachers possessing a bachelor's degree and licensure (certification) with the opportunity to enhance their understanding of curriculum theory, design and development, and their skill as effective classroom teachers.

Prerequisites for Graduate Work

Prerequisites for the M.Ed. programs include a bachelor's degree from an accredited institution.

Admission Procedure

Applicants seeking admission to the graduate programs offered by the School of Teaching and Learning should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Education in Curriculum and Teaching***

Candidates must complete a minimum of 33 semester hours of graduate work approved by the graduate coordinator.

Required Core Courses:

Professional core courses include: EDTL 6110, EDTL 6120, EDTL 6500 and EDTL 6770, and EDTL 7100. Candidates select one course among the following: EDFI 6270, EDFI 6710, EDFI 6730, EDFI 6770.

The research core include: EDTL 6530, and one of the following: EDFI 6410 or EDFI 6450; and one of the following: EDTL 6910 or EDTL 6990. Students will complete 12 hours of electives which are selected in collaboration with their advisor.

Under both programs, students pursue the M.Ed. degree under one of two plans.

Plan I: Candidates must prepare a thesis and complete an oral examination conducted by members of the thesis committee.

Plan II: Candidates must complete a written comprehensive research paper or classroom-based project before the completion of the course work for the degree.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses associated with the Curriculum and Teaching program use the prefix EDTL.

EDUCATIONAL FOUNDATIONS, LEADERSHIP and POLICY (EFLP)

Patrick Pauken, School Director
550 Education Building
Phone: 419-372-2550

Degrees offered:

Leadership Studies (Ed.D); Specialist in Education (Ed.S.) in Educational Administration and Supervision; Master of Education (M.Ed.) Educational Administration and Supervision; Cross-Cultural and International Education (M.A)

Certificates offered:

District-level Leadership Certificate, K-12 Online Teaching and Learning

Graduate Faculty*Professors*

Margaret Z. Booth, Ph.D.; Daniel Fasko, Ph.D.; Patrick Pauken, J.D., Ph.D.; Rachel Vannatta Reinhart, Ph.D.

Associate Professors

Bruce Collet, Ph.D.; Christopher Frey, Ph.D.; Sherri Horner, Ph.D.; Paul Johnson, Ph.D.; Julia Matuga, Ph.D.; Judy Jackson May, Ph.D.

Assistant Professors

Hyeyoung Bang, Ph.D.; Toni Sondergeld, Ph.D.; Christian Willis, Ph.D.

Associate Emeritus Professor

Judith Zimmerman, Ph.D.

Instructor Emeritus

Eric Myers, Ed.D.

Educational Administration and Supervision (EDAS) is a program within the School of Educational Foundations, Leadership and Policy (EFLP) in the College of Education and Human Development at Bowling Green State University. Students may choose from two graduate degree programs (M.Ed., Ed.S.) and one certificate program that lead to (or complete) administrative licensure:

1. Master of Education (M.Ed.) in Educational Administration and Supervision

2. Specialist in Education (Ed.S.) in Educational Administration and Supervision
3. District Level Leadership Certificate

These programs are approved for online, blended, and face-to-face delivery.

The mission of our programs is to advance the understanding and practice of artistic, insightful, innovative, and ethical leadership in educational settings to contribute to and share the benefits of a just, caring, and democratic society. In keeping with this mission, the goal of the graduate programs is to develop effective leaders with the knowledge, skills, and attitudes for helping to build learning communities within a culturally diverse society. We are committed to enhancing students' knowledge, capability, skill, vision, and perspective of educational leadership as well as providing additional insight into each individual's role in transforming educational organizations and communities.

The design of the graduate programs is based upon the belief that individuals learn to become effective leaders through a developmental process which includes inquiry, practice, and personal reflection. More than that, however, such leadership requires an integration of such knowledge into a multi-dimensional leadership perspective, which enables the exercise of a high level of personal artistry and integrity in dealing with the challenges, ambiguities, and paradoxes which characterize educational organizations. This process is one to which the Educational Administration and Leadership Studies programs contribute, but the process itself continues throughout the career of the individual as he or she constructs personal meaning from new learning. Additionally as an institutional member of the University Council for Educational Administration (UCEA - <http://www.ucea.org/>), we strive to uphold their mission of improving the preparation of educational leaders and promoting the development of professional knowledge in school improvement and administration as well.

If you have any questions regarding the M.Ed., Ed.S., or certificate program, please contact Dr. Paul Johnson, Program Coordinator, 419-372-7369, pjohnso@bgsu.edu.

Please visit the [Educational Administration & Supervision](#) website for degree requirements.

Leadership Studies is an inter-disciplinary terminal degree offered by the School of Educational Foundations, Leadership and

Policy (EFLP) in the College of Education and Human Development at Bowling Green State University. It is a post-master's program designed to engage professional individuals in a rigorous process of inquiry, research, practice, and reflection. Individuals entering this program are typically individuals who hold master's degrees in academic and other professional disciplines, have several years of successful professional/leadership experience, and are interested in preparing themselves for leadership roles in educational settings, faculty positions in colleges or universities, or leadership positions in businesses, human resource institutions and other organizations. The primary aim of the Doctoral Program in Leadership Studies is to exercise robust leadership that will enhance the effectiveness of organizations dependent on strong, transformative leadership, such as schools, human resource institutions, and colleges and universities, enabling the attainment of specific goals and objectives as well as remaining competitive in a global society.

Students in the program come from a wide variety of professional fields, including elementary and secondary education, higher education, business, law, law enforcement, government, medicine, nursing, healthcare, psychology, and social work. The students in the Leadership Studies program enroll in cohorts, on either a three-year full-time basis, or a four-year part-time basis. Questions regarding the Ed. D. should be directed to Dr. Judy Jackson May, Program Coordinator, 419-372-7373, judyjac@bgsu.edu.

Please visit the [Leadership Studies](#) website for degree requirements.

Educational Foundations and Inquiry (EDFI) is an interdisciplinary program of the **School of Educational Foundations, Leadership and Policy** (EFLP). EDFI provides an array of foundational courses to degree programs in teacher education, special education, counseling and psychological services, higher education, and educational leadership. The program has developed common expectations for all its undergraduate and graduate courses.

EDFI consists of three distinct academic areas and one field experience program:

- Educational Psychology (Drs. Bang, Booth, Fasko, Horner)
- [Assessment, Research and Statistics](#) (Drs. Reinhart & Sondergeld)
- [Social Foundations of Education](#) (Drs. Collet & Frey)
- [Help-a-Child](#) Field Experience Program (Judy Zorbach)

Please visit <http://www.bgsu.edu/colleges/edhd/eflp/edfi/> for degree requirements.

MASTER OF ARTS IN CROSS-CULTURAL AND INTERNATIONAL EDUCATION (MACIE) is an interdisciplinary graduate program at BGSU in the School of Educational Foundations, Leadership and Policy (EFLP).

MACIE prepares professional educators to be effective leaders in the internationalization of schools and communities and to be positive facilitators of cross-cultural understanding. The focus of this degree program is to prepare global educators who are able to lead in internationalizing curriculum, foster international educational partnerships, and infuse education policy and practice with cross-cultural awareness. We define cross-cultural and international education as the examination of education from diverse perspectives in international, transnational, and global contexts.

MACIE connects cultural and international understanding with educational theory and practice through a unique combination of courses from several disciplines at BGSU. MACIE students apply this academic foundation to a practical cross-cultural/ international internship experience. Students have participated in a variety of internships in formal and non-formal settings, including international sites in China, South Africa, Vietnam and Belize, and domestically with Indigenous students in Alaska as well as Mexican migrant populations in Ohio. Students complete the MACIE program with comprehensive exams or a master's thesis. MACIE is also a Paul D. Coverdell Peace Corps Fellows program, and has admitted over two dozen returned Peace Corps volunteers since 2008.

Visit the [MA in Cross-Cultural & International Education](#) website for degree requirements and contact information. Contact MACIE Program Coordinator Bruce Collet, Ph.D. for more information at colleba@bgsu.edu or +1 419-372-7354.

MASTER Certificate in K-12 Online Teaching and Learning is a new certificate at BGSU in the School of Educational Foundations, Leadership and Policy (EFLP).

The goals of the K-12 Online Teaching & Learning certificate program is to prepare K-12 classroom teachers to be effective online teachers and to provide them with research skills necessary to investigate student learning within online K-12 educational

contexts. This certificate program may be completed in conjunction with the Master's degree in Classroom Technology.

The new certificate program consists of 4 on-line courses: Psychological Foundations of E-learning (EDFI 6300, 3 credits), Educational Technology & Society (EDFI 6400, 3 credits), Designing, Managing, and Evaluating E-Learning Environments, (EDFI 6500, 3 credits), and Application of Technological Tools and Practicum in Online Teaching and Learning (EDFI 6960, 4 credits).

Successful applicants must meet the following criteria: background in education (BA in education and/or related field with at least 6 credit hours of undergraduate or graduate level educational foundations courses; undergraduate GPA of at least 2.8; and either successfully passed the Praxis PLT and Content Area tests (or another state approved teacher licensure exam) or have demonstrated their academic ability with GRE scores.

Visit the [K-12 Online Teaching & Learning Certificate](#) website for degree requirements, contact, and other information.

ENGLISH

Lawrence Coates, Chair
 Bill Albertini, Graduate Coordinator
 Larissa Szporluk, Director - Creative Writing
 Kimberly Coates, Director - Literary and Textual Studies
 Sue Carter Wood, Director - Rhetoric and Writing
 211 East Hall
 Phone: 419-372-6864

Degrees Offered

Graduate Certificate; Master of Arts; Master of Fine Arts; Doctor of Philosophy

Graduate Faculty*Professors*

Kristine Blair, Ph.D.; Lawrence Coates, Ph.D.; Erin Labbie, Ph.D.;
 Wendell Mayo, Ph.D.; Sharona Muir, Ph.D.

Associate Professors

Bill Albertini, Ph.D.; Khani Begum, Ph.D.; Kimberly Coates, Ph.D.;
 Jude Edminster, Ph.D.; Stephanie Gearhart, Ph.D.; Gary Heba,
 Ph.D.; Lee Nickoson, Ph.D.; Piya Pal-Lapinski, Ph.D.; Jolie Sheffer,
 Ph.D.; Larissa Szporluk, M.F.A.; Sheri Wells-Jensen, Ph.D.; Sue
 Carter Wood, Ph.D.

Assistant Professors

Daniel Bommarito, Ph.D.; Andrea Riley-Mukavetz, Ph.D.

The Department of English offers programs leading to the degrees of Master of Arts (M.A.), Master of Fine Arts (M.F.A.), and Doctor of Philosophy (Ph.D.). The department offers the following degrees:

- M.A. in English with a specialization in Literary and Textual Studies.
- M.A. in English with a specialization in English Teaching (offered online).
- M.A. in English with a specialization in Professional Writing and Rhetoric (offered online).
- M.A. in English (no specialization; offered online or blended).
- M.F.A. in Creative Writing with a specialization in Fiction.
- M.F.A. in Creative Writing with a specialization in Poetry.
- Ph.D. in English with a specialization in Rhetoric and Writing.

For more information on the Master of Fine Arts programs, see "Master of Fine Arts" in the Degree Programs section of this catalog.

In addition, the Department of English offers two graduate certificate programs:

- Graduate Certificate in Technical Writing (offered online).
- Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL) (blended program).

For details about each graduate program offered by the Department of English and application procedures, please see: <http://www.bgsu.edu/arts-and-sciences/english/graduate-programs.html>.

Prerequisites to Graduate Work

Admission to the M.F.A. in Creative Writing program is based primarily on the evaluation of sample manuscripts submitted to the Creative Writing program at the time of application. The M.A. program in Literary and Textual studies evaluates applicants based on strong writing samples demonstrating critical analysis and research skills, among other criteria.

Usually, students begin the Ph.D. program after completing a master's degree; well-prepared and motivated applicants with only baccalaureate degrees may apply for admission into a "continuing" Ph.D. program, which leads directly to the Ph.D. without the intermediate step of the M.A. Such candidates do not prepare theses but qualify instead by a portfolio assessment mid-way through the second year of the program.

Admission Procedures

Applicants seeking admission to the graduate programs in English should follow the instructions outlined in the "Graduate Admission" section of this catalog. In addition, applicants should review the admissions requirements specific to the program to which they seek admission. Visit <http://www.bgsu.edu/arts-and-sciences/english/graduate-programs.html> for links to specific programs and their application processes and requirements.

Competitive funding is available for applicants to the following programs:

- M.A. in English with a specialization in Literary and Textual Studies.
- M.F.A. in Creative Writing with a specialization in Fiction.
- M.F.A. in Creative Writing with a specialization in Poetry.

- Ph.D. in English with a specialization in Rhetoric and Writing.

Applicants seeking funding must complete a separate assistantship application form available from the specific program website or from the Graduate Secretary of the Department of English. Funding is increasingly competitive and applicants should apply as early as possible to ensure their consideration.

The deadline for application to the M.F.A. in Creative Writing, the M.A. in English with a specialization in Literary and Textual Studies, and the Ph.D. in English with a specialization in Rhetoric and Writing is January 15, 2016. The online M.A. in English programs accept applicants for Fall Semester 2016 admission through July 2016, but start reviewing candidates as of a priority deadline in May 2016. The Graduate Certificate programs have rolling admissions.

Program and Degree Requirements

Master of Arts in English with a Specialization in Literary and Textual Studies

This face-to-face M.A. degree is a flexible, student-centered two-year program that provides a foundation in research methods and literary theory. Coursework in Literary and Textual Studies offers students an opportunity to engage with a variety of texts across historical periods as well as some of the most recent developments in literary studies and cultural criticism. Our faculty is made up of scholars whose research and teaching interests focus on a range of approaches to textual analysis such as critical race theory, deconstruction, feminism and gender studies, new historicism, postcolonial studies, psychoanalysis, and queer theory. We offer seminars in British, American, and Anglophone literatures. Furthermore, the program presents students with numerous opportunities to develop their own research projects, including the M.A. Thesis, based on their unique interests. Plan I (thesis) and Plan II (portfolio) options are available.

Plan I: M.A. in English with a Specialization in Literary and Textual Studies (with M.A. Thesis)

Candidates must complete a minimum of 33 semester hours of graduate credit including 24 hours of elective course work (excluding ENG 6020). Requirements include:

1. Required seminars:
 - ENG 6010: Introduction to English Studies
 - ENG 6070: Theory and Methods of Literary Criticism (or equivalent courses)

2. Four or more 6000- or 7000-level Literature electives (12 hours). Includes (but not limited to) the following courses:
 - ENG 5800: Seminar in English Studies
 - ENG 6090: Teaching of Literature
 - ENG 6750: Seminar in American Culture Studies
 - ENG 6800: Seminar in English Studies
 - ENG 6820: Topics in English Studies
 - ENG 7070: Contemporary Literary Theory
 - ENG 7790: Seminar in Ethnic American Literature
 These courses may be repeated if topics are different.
3. Up to four courses outside of the Literature Program (12 credit hours): Includes (but not limited to) courses in Philosophy; Romance Languages; GREAL; Ethnic Studies; American Culture Studies; Communications; Theatre and Film; History; Women's, Gender, and Sexuality Studies; etc.*
4. An approved thesis (three to six hours of ENG 6990)** and an oral examination given by the candidate's thesis committee based on the thesis; and
5. ENG 6020, for graduate assistants.***

* Up to 12 hours of elective credits (4 courses, generally speaking) may be taken outside of the Literature Program. However, all courses must be chosen in consultation with and are subject to approval by the Literature Program Coordinator.

** Only 3 credits of ENG 6990 count toward graduation. In addition, ENG 6990 is a course that requires "continual enrollment": once you enroll in ENG 6990, you need to remain enrolled in it in each semester until you graduate, but your continual enrollment can be 1 credit hour per semester in later semesters.

*** Required course for funded first-year students teaching in General Studies Writing (GSW); credits do not count toward graduation.

Plan II: M.A. in English with a Specialization in Literary and Textual Studies (with M.A. Portfolio)

Candidates must complete a minimum of 31 semester hours of graduate credit including 24 hours of elective course work (excluding ENG 6020). Requirements include:

1. Required seminars:

- ENG 6010: Introduction to English Studies
 - ENG 6070: Theory and Methods of Literary Criticism
(Or equivalent courses)
2. Four or more 6000- or 7000-level Literature electives (12 hours). Includes (but not limited to) the following courses:
 - ENG 5800: Seminar in English Studies
 - ENG 6090: Teaching of Literature
 - ENG 6750: Seminar in American Culture Studies
 - ENG 6800: Seminar in English Studies
 - ENG 6820: Topics in English Studies
 - ENG 7070: Contemporary Literary Theory
 - ENG 7790: Seminar in Ethnic American Literature
 These courses may be repeated if topics are different.
 3. Up to four courses outside of the Literature Program (12 credit hours): Includes (but not limited to) courses in Philosophy; Romance Languages; GREAL; Ethnic Studies; American Culture Studies; Communications; Theatre and Film; History; Women's, Gender, and Sexuality Studies; etc.*
 4. An approved Portfolio (1 credit hour of ENG 6910); and
 5. ENG 6020, for graduate assistants.**

* Up to 12 hours of elective credits (4 courses, generally speaking) may be taken outside of the Literature Program. However, all courses must be chosen in consultation with and are subject to approval by the Literature Program Coordinator.

** Required course for funded first-year students teaching in General Studies Writing (GSW); credits do not count toward graduation.

Master of Arts in English (Online Programs)

Master of Arts in English with a specialization in English Teaching (offered online)

Designed for those involved in or preparing for middle school English teaching, secondary school English teaching, or two-year college teaching, this totally online specialization for the MA provides a combination of courses in language, literature, and writing, as well as the teaching of writing and of literature. This MA specialization offers a Plan II capstone (the MA Portfolio).

Total credit hours: 31 credits.

Required Courses (15 credit hours):

- ENG 6040: Graduate Writing
- ENG 6070: Theory and Methods of Literary Criticism
- ENG 6090: Teaching of Literature
- ENG 6150: Introduction to Linguistics
- ENG 6200: Teaching of Writing

Electives (15 credit hours) from such courses as

- ENG 6220: Teaching Grammar in the Context of Writing
- ENG 6400: Professional/Technical Writing
- ENG 6420: Professional/Technical Editing
- ENG 6430: Ethics in Professional/Technical Writing
- ENG 6800: Seminar in English Studies*
- ENG 7800: Seminar in Rhetoric and Writing

* Course may be repeated if topics are different.

Up to 12 elective credit hours of relevant coursework may be taken outside of the Department; students should meet or correspond with the English Graduate Coordinator or their advisor to determine options.

Note: Students who are geographically close enough to do so may substitute face-to-face versions of these courses if they so choose. Any such substitutions should be cleared with the English Graduate Coordinator before enrolling.

Capstone Experience (1 credit hour)

- English 6910: Master's Portfolio

Master of Arts in English with a specialization in Professional Writing and Rhetoric (offered online)

Designed to prepare students for successful employment as writers, editors, and writing instructors in various industries and institutions, including business, technology, science, and two-year colleges, the specialization in Professional Writing and Rhetoric provides a combination of courses in rhetoric, writing, and the teaching of writing, while allowing students the flexibility of selecting a focus on Rhetoric and Writing, or a focus on Scientific and Technical Communication. This MA specialization offers a Plan II capstone (the MA Portfolio).

Total credit hours: 31 credits.

Required Courses (15 credit hours):

- ENG 6050: Visual Rhetoric and Practices of Writing
- ENG 6200: Teaching of Writing

- ENG 6400: Professional/Technical Writing
- ENG 6410: Resources and Research in Professional/Technical Writing
- ENG 6460: Professional/Technical Communication & Rhetoric

Electives (15 credit hours) from such courses as

- ENG 5860: Writing Process for Online Documents
- ENG 6220: Teaching Grammar in the Context of Writing
- ENG 6420: Professional/Technical Editing
- ENG 6430: Ethics in Professional/Technical Writing
- ENG 6450: Science Writing
- ENG 6470: Topics in Professional/Technical Communication*
- ENG 6800: Seminar in English Studies*

* Course may be repeated if topics are different.

Up to 12 elective credit hours of relevant coursework may be taken outside of the Department; students should meet or correspond with the English Graduate Coordinator or their advisor to determine options.

Note: Students who are geographically close enough to do so may substitute face-to-face versions of these courses if they so choose. Any such substitutions should be cleared with the English Graduate Coordinator before enrolling.

Capstone Experience (1 credit hour)

- English 6910: Master's Portfolio

Master of Arts in English (online or blended)

Candidates must complete a minimum of 33 semester hours of graduate credit including 21 hours of English course work (excluding ENG 6020). Requirements include:

- ENG 6070 and ENG 6150 or equivalent;
- a professional concentration of four courses, with no more than two in English;
- completion of a portfolio of work that includes an extensive annotated bibliography in the field of concentration and representative seminar papers (ENG 6910); and
- ENG 6020, for graduate assistants.

Master of Fine Arts in Creative Writing

The two-year M.F.A. program consists of a minimum of 36 semester hours of graduate credit.

Requirements include:

1. 12 hours of ENG 6320, Graduate Writers' Workshop, in the area of specialization;
2. three hours of techniques in the area of specialization;
3. six hours of thesis credit;
4. three hours of desktop publishing;
5. three hours of ENG 6370, Pedagogy of Creative Writing;
6. six hours in either recommended courses or electives;
7. three hours of advanced workshop, in the area of specialization.

Total hour requirements may be reduced for outstanding students who are able to apply credit from previous graduate work. However, transfer of hours must be approved prior to enrollment. In all cases, students must take at least 30 hours in residence with a minimum of one workshop per semester in the area of specialization. All students must complete 30 semester hours of graduate work after being accepted into the M.F.A. program in addition to any work done in other programs at the University. For more information, see "Master of Fine Arts" in the Degree Programs section of this catalog.

Ph.D. in English with a specialization in Rhetoric and Writing

The central objective of the doctoral program in English is to recruit and equip applicants with a broad range of skills whose interests in rhetoric and writing move them to seek careers as teacher-scholars at a variety of institutions of higher education. This nationally respected program emphasizes rhetoric and composition as its core curriculum and provides students with a thoroughgoing foundation in rhetorical theory and history, composition pedagogy, research methods, digital rhetorics, and scholarly publishing. Special topics courses address current interests within the discipline, such as writing assessment, feminist methodologies, and cultural rhetorics. In addition, students take electives in rhetoric and writing, other areas of English (critical theory and literature, teaching English to English language learners, scientific and technical communication), or in other departments.

Students must complete a total of 90 semester hours of graduate credit, of which a maximum of 30 hours may be transferred from a Master's degree. General requirements for the Ph.D. include:

1. A minimum of 33 hours of graduate coursework beyond the M.A., including the eight core courses ENG 6210, ENG 7220, ENG 7230, ENG 7240, ENG 7260, ENG 7280, ENG 7290, and ENG 7800.

2. Satisfactory completion of preliminary examinations, including the oral exam. A maximum of six hours of credit for ENG 7980, Study for Prelims, counts toward the 90 semester hours required for graduation.
3. Satisfactory completion of an approved dissertation graduate lecture, the dissertation manuscript, and the dissertation defense. A minimum of 21 hours of ENG 7990, Dissertation Research, counts toward the 90 semester hours required for graduation.
4. Candidacy for the Ph.D. begins following successful completion of the graduate lecture. Candidacy is completed following approval of the dissertation by the student's dissertation committee, the department, and the Graduate College; and the successful uploading of the electronic dissertation. Details regarding the preliminary examinations and the dissertation process are available from the department.

Graduate Certificate Programs

The English Department offers graduate certificate programs in Technical Writing and Teaching English to Speakers of Other Languages (TESOL).

Graduate Certificate in Technical Writing (available online)

The Technical Writing program may be pursued either online or on campus and may be pursued only for the certificate or as part of an MA track. Some programs outside of the English Department may accept this certificate as part of their graduate degree program; students should discuss whether this is possible with the appropriate program's graduate coordinator. The course schedule will allow students to complete the certificate program in one year.

Required Courses (12 credit hours)

- ENG 6400 Professional/Technical Writing
- ENG 6410 Resources and Research in Professional/Technical Writing
- ENG 6420 Professional/Technical Editing
- ENG 6430 Ethics in Professional/Technical Writing

Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL)

Graduate students at Bowling Green State University have the opportunity to earn a certificate in Teaching English to Speakers of Other Languages (TESOL). Some programs outside of the English Department may accept this certificate as part of their graduate degree program; students should speak to their graduate coordinator to discuss this. Students wishing to earn the certificate

must take the following four courses (12 credit hours) in the English department:

- ENG 6150: Introduction to Linguistics
- ENG 5170: Applied Syntax
- ENG 5180: Applied Phonology
- ENG 5100: Theories and Methods in TESOL

This set of courses serves as excellent preparation for those who wish to teach English overseas or for those wishing to pursue further studies in linguistics.

Graduate Courses

Please access a list of graduate courses online by clicking the "Browsing Course Catalog" button found here:

<http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of English use the prefix ENG.

ETHNIC STUDIES

Angela Nelson, Interim Chair and Graduate Coordinator
228 Shatzel Hall
Phone: 419-372-2796
ethn@bgsu.edu

Graduate Faculty*Professor*

Timothy Messer-Kruse, Ph.D.

Associate Professors

Vibha Bhalla, Ph.D.; Dalton Jones, Ph.D.; Sridevi Menon, Ph.D.;
usana Peña, Ph.D.

Instructors

Thomas Edge, Ph.D.; Spintz Harrison, Ph.D.;
Luis Moreno, Ph.D.; Tamara Nopper, Ph.D.;
Jamie Stuart

The Department of Ethnic Studies offers a program of study that examines race and ethnicity both in national and global contexts and in relation to gender, class, and sexuality. Courses consider U.S. racial and ethnic minority populations in relation to one another, the dominant order, diasporic populations, and the formation of the U.S. as a global power in an era of globalization. Focusing on processes such as immigration, colonization, transnational migration, and slavery, courses are comparative, interdisciplinary, and emphasize critical thinking.

A Graduate Certificate in Ethnic Studies is offered by the Department of Ethnic Studies in the College of Arts and Sciences. Within an interdisciplinary/multidisciplinary framework, the certificate curriculum contributes to societal needs as it addresses issues of racial and ethnic diversity in the workplace, community, nation, and world during a period of profound demographic change. It is designed to provide professional study in an area of increasing importance to practitioners in social, health, and immigration service agencies; law; and K-12 and community college education, among other occupations. The certificate also offers a graduate credential to students pursuing advanced degrees and seeking to broaden their teaching and research competencies in order to enhance their career options and employment prospects.

Students may enroll either in the certificate program or they may complete the certificate in conjunction with a graduate degree at the University. Satisfactory completion of the requirements for the

certificate will be noted on the student's transcript as "Graduate Certificate in Ethnic Studies."

Prerequisites to Graduate Work

Individuals currently enrolled in graduate degree programs or having non-degree status at the University are eligible to apply to the certificate program.

Admission Procedure

Applicants seeking admission to the certificate program should follow the instructions outlined in the "Graduate Admission" section of this Catalog.

In addition to the application required by the Graduate College, all applicants not currently admitted to a BGSU master's or doctoral program must submit: 1) three letters of recommendation, and 2) a personal statement (2 pages maximum) of career goals and reasons for applying to the program to the Ethnic Studies graduate coordinator.

In addition to the application required by the Graduate College, students currently enrolled in a BGSU master's or doctoral program should submit a personal statement (2 pages maximum) of career goals and reasons for applying to the program to the Ethnic Studies graduate coordinator.

Certificate Requirements

Students must complete 15 credit hours of approved coursework in Ethnic Studies that must include ETHN 6200, Theories of Race Relations, Ethnicity, and Multiculturalism. With approval of the Ethnic Studies graduate coordinator, three elective hours may be substituted with a cognate course offered by another program or department at the University. No internship is required for the certificate.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Ethnic Studies use the prefix: ETHN.

FINANCIAL ECONOMICS

Peter VanderHart, Chair
 Zheng Zeng, Graduate Coordinator
 3002 Business Administration Building
 Phone: 419-372-2646

Degree Offered

Master of Arts

Graduate Faculty*Professors*

Peter VanderHart, Ph.D.; Kevin Quinn, Ph.D.

Associate Professor

Zheng Zeng, Ph.D.

Assistant Professor

Sebastian Roelands, Ph.D.

Emeritus Professors

Mary Ellen Benedict, Ph.D.; Kyoo Kim, Ph.D.

The goal of the Master of Arts in Financial Economics program is to prepare students for careers in business, government, financial markets, or for further graduate study. The program is designed to train students to function as professional financial and economic analysts in the corporate, government, and academic sectors.

Prerequisites to Graduate Work

Prerequisites include courses in introductory economics, intermediate economic theory, and at least one course in both finance and statistics; Applicants should have at least one semester of calculus before beginning graduate studies in financial economics. Applicants who do not have the prerequisite background may be admitted. Such students may be required to make up deficiencies as a condition of admission and are encouraged to enroll at the University during the summer preceding their first fall semester to repair deficiencies.

Advanced Undergraduate Status

Students in an undergraduate Economics program at BGSU may wish to consider taking graduate level classes by obtaining advanced undergraduate status. This classification would allow students to enroll in graduate courses while an undergraduate, and then, if appropriate, petition to have some of these courses count towards their graduate degree. Please see the relevant sections earlier in this catalog for the applicable general policies. The Financial Economics graduate program limits the number of credits that can be counted in this way to 9. Students considering this

option are strongly advised to consult with their undergraduate advisor and the graduate coordinator prior to making plans.

Admission Procedure

Applicants seeking admission to the M.A. in financial economics program should follow the instructions outlined in the "Graduate Admission" section of this catalog. Note that either the GRE or the GMAT are accepted for admission to this program..

Degree Requirements***Master of Arts***

Candidates are required to earn a minimum of 30 semester hours of graduate credit, of which at least 18 hours must be at the 6000 level. Depending on the student's needs, the student may pursue the M.A. degree under one of two plans.

Plan I: Candidates must complete a thesis and a written and/or oral examination over the thesis.

Plan II: Candidates must complete a significant oral presentation based on work done in either Econ 6070, Econ 6720, or Econ 6900.

The following course work is required for both Plan I and Plan II: ECON 5020, MBA 5510, MBA 5520, Econ 6070, Econ 6100, Econ 6110, and Econ 6720. Additionally, students should earn credits for an internship (Econ 6890) or directed research (Econ 6900). At least six credits of elective courses should be taken in financial economics or in fields such as public administration, business administration, mathematics, statistics, or in such allied social sciences as geography, history, political science, psychology, or sociology. At least three of the elective credits must be earned at the 6000 level.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Financial Economics use the prefix: ECON.

FOOD AND NUTRITION

M. Ahmad Chaudhry, Chair, Department of Public and Allied Health
112 Health and Human Services
Phone: 419-372-9930
Dawn Anderson, Program Area Coordinator and Graduate
Coordinator
126 Health and Human Services Building
Phone: 419-372-8090

Degree Offered

Graduate Certificate in Food and Nutrition; Master of Food and
Nutrition

Graduate Faculty*Associate Professors:*

Dawn Anderson, Ph.D.; Rebecca Pobocik, Ph.D.;

Assistant Professors:

Mary Jon Ludy, Ph.D.,

Senior Lecturer

Susan Peet, Ph.D.

The Department of Public and Allied Health offers the Master of
Family and Nutrition (F & N). The program requires a minimum
GPA of 3.0 and completion of the GRE verbal and quantitative
tests.

The Food and Nutrition (F&N) graduate program provides course
work and study in basic nutritional sciences, current topics in food
and nutrition sciences, and applied areas such as
community/public health nutrition, and clinical/medical nutrition
therapy. Supporting course work in a related field such as biology,
chemistry, counseling, exercise science, education, and/or
epidemiology is designed to meet the student's career interests.
Eligible students may choose to complete the master's program in
conjunction with a post-baccalaureate [dietetic internship program](#).
The dietetic internship program is granted Initial Accreditation by
the Accreditation Council for Education in Nutrition and Dietetics of
the Academy of Nutrition and Dietetics, 120 S. Riverside Plaza,
Suite 2000, Chicago, IL 60606, 312.899.4876.

Prerequisite to Graduate Work

A bachelor's degree related to Food and Nutrition, is the preferred
foundation for graduate work. Additional course work may be

required as a condition of admission should there exist
deficiencies in undergraduate course work.

Admission Procedure

Applicants seeking admission to the graduate program in Food
and Nutrition should follow the instructions outlined in the
"Graduate Admission" section of this catalog.

Degree Requirements***Master of Food and Nutrition***

The M.F.N. degree requires a minimum of 37-39 semester hours,
including three hours each of statistics and research methodology
Plan I: Students under Plan I must complete a formal thesis and
pass an oral examination on the thesis. Topics are selected early
in the program with advisement from a thesis committee of three
graduate faculty members. Plan II: Students under Plan II must
complete a master's project while enrolled twice in F&N 6910 for a
total of six credit hours.

Graduate Courses

Please access graduate courses online at
[http://www.bgsu.edu/registration-records/courses-and-
classes/class-course-information.html](http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html). Graduate courses offered
by the Department of Public and Allied Health use the prefix: FN

GEOGRAPHY

Arthur Samel, Chair
Yu Zhou, Graduate Coordinator
305 Hanna Hall
Phone: 419-372-2925

Graduate Faculty

Professor

Kefa Otiso, Ph.D.

Associate Professors

Karen Johnson-Webb, Ph.D.; Arthur Samel, Ph.D.; Yu Zhou, Ph.D.

Graduate offerings in geography are open to graduate students in other disciplines and may count toward degree programs in many areas.

Graduate Courses

Please access graduate courses online at

<http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Geography use the prefix: GEOG.

GEOLOGY

John Farver, Chair
 Kurt Panter, Graduate Coordinator
 190 Overman Hall
 Phone: 419-372-2886

Degrees Offered

Master of Science

Graduate Faculty*Professors*

James Evans, Ph.D.; John Farver, Ph.D.; Charles Onasch, Ph.D. (Emeritus); Robert Vincent, Ph.D. (Emeritus); Margaret Yacobucci, Ph.D.

Associate Professors

Enrique Gomezdelcampo, Ph.D.; Kurt Panter, Ph.D.; Sheila Roberts, Ph.D., Jeffrey Snyder, Ph.D.;

The Department of Geology offers a course of study leading to the Master of Science degree. The graduate programs in geology are oriented towards the application of modern techniques and methods of analysis to solving geologic problems. Our program has gained a national reputation for applying the modern tools of geospatial technology to geological and environmental problems. In the program, research is an integral part of geological education. Due to the interdisciplinary nature of geology, students with diverse backgrounds will find many career opportunities. To insure students have a broad understanding of geologic principles, students enrolled in the MS program are encouraged to take courses in a variety of different geologic sub disciplines. Thesis research may be conducted in many areas of geology, including economic geology, environmental geology, geochemistry, geographic information systems, geomorphology, geoscience education, hydrogeology, paleontology, petrology, geological and environmental remote sensing, sedimentology/stratigraphy, and structural geology/tectonics.

Prerequisites to Graduate Work

An undergraduate major in the geological sciences usually is adequate preparation for regular admission to the graduate degree program, providing the work submitted is of appropriate quality as determined by the department. Additionally, a basic background in mathematics, biology, chemistry, and physics or some combination thereof is recommended. Because of the highly interdisciplinary nature of the program, we welcome students from related areas

such as geography, computer science, environmental science, biology, chemistry, and physics.

Admission Procedure

Applicants seeking admission to the graduate programs in geology should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Science***

The M.S. in geology is offered under Plan I only. Candidates are required to complete:

1. an approved degree program of courses;
2. an acceptable thesis proposal including its successful oral defense before the thesis committee no later than the end of the second semester of full- time residence; and
3. an acceptable thesis, including its successful oral defense before the thesis committee.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Geology use the prefix: GEOL.

GERMAN, RUSSIAN AND EAST ASIAN LANGUAGES (GREAL)

Timothy Pogacar, Chair
 Christina Guenther, Graduate Coordinator
 103 Shatzel Hall
 Phone: 419-372-2268

Degrees Offered

Master of Arts; Graduate Certificate in German for Professionals and Educators; Master of Arts in Teaching, Accelerated M.A.

Graduate Faculty

Professors
 Edgar Landgraf, Ph.D.;

Associate Professors
 Kristie Foell, Ph.D.; Christina Guenther, Ph.D.; Timothy Pogacar, Ph.D.; Theodore Rippey, Ph.D.; Irina Stakhanova, Ph.D.

Assistant Professors
 Satomi Saito, Ph.D.
 The Department of German, Russian, and East Asian Languages offers programs leading to the Master of Arts in German and the Master of Arts in Teaching German. It is also possible to pursue a dual Master of Arts in German and Political Science, History, French, Spanish, or Music History, as well as other disciplines.

The graduate programs in German are flexible enough to meet a variety of student needs and career orientations, such as teaching, government positions, and corporate employment. Students interested in secondary-level teaching can work on obtaining teacher certification while earning a master's degree. Students can pursue a Ph.D. preparatory program with a strong concentration in literature and culture. The curriculum includes language training, with courses in composition, stylistics, and phonetics, as well as technical translating and business German. The department also has a writer-in-residence program.

M.A. students ordinarily fulfill part of their degree requirements in Salzburg, Austria, through the department's Academic Year Abroad (AYA) program. Students usually spend their first year of study in Salzburg and complete their degree on the University campus the following year.

Prerequisites to Graduate Work

Admission to graduate study in German requires an undergraduate major or minor in German (not less than 20 semester hours beyond the intermediate level for the MA, 12 for the Certificate). Applicants

with less background may be accepted, provided they are willing to make up the deficiencies specified by the graduate coordinator.

As a basic entrance standard, the Department of German, Russian, and East Asian Languages looks for a minimum undergraduate GPA of 3.0 (on a scale of 4.0) 2.7 for the Certificate, and a GPA of 3.0 or better in German. Applicants' ability in the German language is an important factor in admission decisions.

Admission Procedure

Applicants seeking admission to the graduate programs in German should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Arts in Teaching***

Degree requirements are listed under the heading of Master of Arts in Teaching in the "Degree Programs" section of this catalog. A copy of the specific M.A.T. requirements in German will be provided upon request.

Master of Arts

A candidate may pursue a Master of Arts degree in German under the following two plans:

Plan I: Candidates must complete a minimum of 30 semester hours of graduate credit that included the writing of a formal thesis for six hours of credit. Students must pass an oral examination on the thesis.

Plan II: Candidates must complete a minimum of 30 semester hours of graduate credit. No formal thesis is required. Students must pass a written examination on an area of specialization and an oral follow-up examination on the area of specialization and a related area.

Under either plan candidates must pass proficiency examinations in the German language, usually administered in Salzburg. A minimum of 24 hours in German is required, including GERM 6010, a seminar and one from the following courses: linguistics, translation, GERM 6150 or 6160. Beyond this minimum, students may apply courses in cognate areas toward their degree, subject to the approval of the graduate coordinator.

Graduate Certificate for Professionals and Educators

The Graduate Certificate in German for Professionals and Educators is designed to meet the needs of professionals working for businesses or international organizations with ties to a German-speaking country as well as for teachers of German who require graduate credits for certification. The program offers students the opportunity to develop professional-grade German language skills, deepen their cultural knowledge of the German-speaking world, and acquire advanced intercultural competence.

The program accommodates different specializations within the context of foreign language learning by allowing students to pursue a research area in a related field, such as tourism, business, history, communication studies, political science, or pedagogy.

The program includes an international component (summer or one semester study in Salzburg). **High school teachers may add an additional 3-credit-hours course to fulfill Ohio's College Credit Plus requirements.**

Graduate Courses

Please access graduate courses online at

<http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of German, Russian, and East Asian Languages use the prefixes: GERM and GREA.

GERONTOLOGY

Wendy K. Watson, Director/Graduate Coordinator
220 Health & Human Services
Phone: 419-372-1054

Degree Offered

Master of Science in Interdisciplinary Gerontology (MSIG)

Graduate Faculty*Professors*

Bonnie Berger, Ph.D.; Lynn Darby, Ph.D., Nancy Orel, Ph.D.

Associate Professors

Jean Gerard, Ph.D.; Younghee Kim, Ph.D.; Laura Landry-Meyer, Ph.D.; Bob Lee, Ph.D.; Amy L. Morgan, Ph.D.; Rebecca Pobocik, Ph.D.; Charles Stelle, Ph.D.; David Tobar, Ph.D.; Wendy Watson, Ph.D.; Phillip Xie, Ph.D.

Adjunct Faculty

Jennifer Wagner, LNHA, MPH

The Master of Science in Interdisciplinary Gerontology (MSIG) program offers educational opportunities for professionals who seek a broader understanding of the aged and the aging process and the link between research and policy/practice. The MSIG program also serves those seeking additional credentials for promotion and career enhancement, students interested in pursuing doctoral work in gerontology/family studies, and those in allied fields who are interested in gerontological issues or careers.

Prerequisites to Graduate Work

As a general rule, students admitted to the program will hold an undergraduate degree in gerontology, kinesiology, family studies, human development, health care administration, sociology, psychology, social work, communication disorders, public health, allied health, recreation and tourism, or closely related field. Individuals who possess an undergraduate degree in other academic fields will be considered for admission to the MSIG program if they have experience as employees in agencies/organizations that serve older adults, or demonstrate other qualifications and interest pertinent to the course of study.

Specific admission criteria for all "regular-status" students include (1) a minimum undergraduate GPA of 3.0 (on a 4.0 scale), (2) three letters of recommendation, and (3) a written statement of interest and expectations. For students whose native language is not

English, an additional requirement is official Test of English as a Foreign Language (TOEFL) scores.

GPA: An applicant whose undergraduate GPA is between 2.70 and 3.00 may be considered for "conditional admission" status on the strength of other criteria. Students admitted conditionally must achieve an overall graduate GPA of 3.0 for their first 9 credit hours of graduate study. Failure to do so will result in dismissal from the program. Students with GPA of less than 2.70 may be considered for "special status" admission. They are required to complete 9 semester hours of specified GERO courses with all grades greater than 3.00 before they are considered for acceptance into the program with "regular" status pending Program Committee approval. All students with a GPA below 3.00 are required to complete the Graduate Records Examination (GRE).

Letters of Recommendation: Letters of recommendation should be addressed to the Coordinator of the Graduate Program. Letters should be from individuals who have knowledge of the applicant's qualifications and ability to successfully complete graduate study. Typically, letters are written by the applicant's undergraduate professors, or by supervisors or colleagues who hold graduate degrees themselves

Written Statement: The written statement is a short piece of writing (from one to three pages) that states the applicant's reasons for wanting to study Interdisciplinary Gerontology at Bowling Green State University, future career goals, and any relevant professional preparation, where applicable.

Degree Requirements***Master of Science in Interdisciplinary Gerontology***

The degree curriculum requires a minimum of 33 semester hours beyond the undergraduate degree. The degree requirements are such that students could finish the degree in one calendar year of full-time study. However, the program will be configured to allow students to matriculate as part-time students over a period of one to two years. All students will complete core courses in physiological, psychological, sociological, and social policy aspects of aging. The "gerontology core" includes coursework from Gerontology (GERO); Human Development and Family Studies (HDFS); and Human Movement, Sport, and Leisure Studies (HMSL). The courses in the gerontology core represent the four focal areas (gerontology, human development and family studies, kinesiology and health promotion, and social policy and administration). In addition to the gerontology core courses, students complete research courses (i.e., methods, statistics) and

select elective courses that build upon the gerontology core focal areas (e.g., gerontology, human development and family studies, kinesiology and health promotion, and/or social policy and administration).

Candidates must complete a total of 33 hours of graduate course work, and successfully complete a culminating capstone experience. The capstone experience can be a thesis or directed research project, a directed practicum, or comprehensive exams:

Plan I: Thesis or Directed Research: The thesis or directed research option is a major project of original research, conducted under the supervision of the student's major advisor. Students electing this option must register for no fewer than three, nor more than six, credit hours of thesis or directed research as part of their degree program.

Plan II: Comprehensive Exams: For the comprehensive exam option, candidates must complete a minimum of 33 semester hours of graduate credit. Students are required to pass comprehensive examinations in three areas: Health and Wellness, Programs and Administration, and a Specialization Area specific to each student.

Directed Practicum: The directed practicum option is intended for students who have not had previous experience working within an agency or organization that serves older adults and their families. The directed practicum is conducted at a pre-approved site under the supervision of faculty within the MSIG program and staff at the approved site. Students electing this option must register for no fewer than three, nor more than six, credit hours of independent study/practicum as part of their degree program.

The program can also accommodate students whose professional careers require more individualized timetables within university rules. Regardless of the calendar of study, all degrees must be completed with a capstone experience.

Curriculum Summary

The following represents the required courses that are part of the Master of Science in Interdisciplinary Gerontology (MSIG) curriculum.

Gerontology Core (18 credit hours)

Gerontology (6): GERO 6010 Current Perspectives in Gerontology (3) and GERO 6020 Health and Aging (3)

Human Development & Family Studies (3): HDFS 5290 Families in Later Life (3)

Kinesiology and Health Promotion (3): HMSL 6070 Aging: Physiology & Exercise (3)

Social Policy and Administration (6): GERO 6100 Aging Policy and Programs (3) and GERO 6250 Administration of Aging Programs (3)

Research Courses (9 credit hours):

Research Methods (3): HMSL 6530 Research Methods in HMSL (3) or FCS 6260 Research Methods in FCS (3) or GERO 6530 Research Methods in GERO

Statistics (3): One statistical course at the graduate level (3) (e.g., EDFI 6410 Statistics in Education; PSYC 6670 Statistical Theory I; SOC 6100 Statistical Techniques and Applications in Sociology)

Thesis or Directed Research (3): GERO 6900: Directed Research in GERO (3), GERO 6990: Thesis Research, or HMSL 6990: Thesis Research in HMSL (3) or HMSL 6900: Directed Research in HMSL (3)

Suggested Electives (6 credit hours):

Elective courses are listed alphabetically, but students would select electives based on their anticipated career goals and in consultation with their academic advisor.

GERO 5410 Issues in Contemporary Gerontological Practice (3)
GERO 5420 Grief and Bereavement Issues in Older Adulthood (3)*

GERO 5430 Funding and Resource Generation for Adult Programming (3)

GERO 6040 Environment and Aging (3)

GERO 6050 Cross Cultural Aging (3)

GERO 6800 Seminar in Gerontology (3)

GERO 6840 Readings in Gerontology (3)

GERO 6860 Independent Study in Gerontology (3)

HDFS 5800 Intergenerational Engagement (3)

HDFS 6070 Human Development (3)

HDFS 6080 Theory in Human Development and Family Studies (3)

HMSL 6180 Exercise Physiology (3)

HMSL 6200 Therapeutic Recreation Systems (3)

HMSL 6210 Administrative Management in Leisure and Recreation Services (3)

HMSL 6220 Foundations of Recreation and Leisure Experiences (3)

HMSL 6240 Program Design and Strategies of Recreation and Leisure Services (3)

HMSL 6280 Leisure Lifestyle Planning for Older Adults (3)

HMSL 6390 Exercise Psychology: Research and Practice (3)

SOC 6580 Sociology of Aging (3)

PUBH 6040 Public Health Administration (3)

PSYC 7360 Psychology of Adult Development and Aging (3)

* Offered in collaboration through the University of Toledo

Graduate Courses

Please access graduate courses online at

<http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered within the Master of Science in Interdisciplinary Gerontology generally use the prefixes GERO, HDFS, or HMSL

HIGHER EDUCATION ADMINISTRATION

Maureen E. Wilson, Chair
 Dafina-Lazarus Stewart, Graduate Coordinator
 330 Education Building
 Phone: 419-372-7382
<http://bgsu.edu/hied>

Degree Offered

Doctor of Philosophy

Graduate Faculty*Professors*

Kenneth Borland, Jr., Ed.D.; Patrick D. Pauken, Ph.D., J.D. (EFLP)

Associate Professors

Ellen M. Broido, Ed.D.; Bruce Collett, Ph.D. (EFLP);; Dafina-Lazarus Stewart, Ph.D.; Maureen E. Wilson, Ph.D.;

Assistant Professors

Hyeyoung Bang, Ph.D. (EFLP); Nicholas A. Bowman, Ph.D.; Christina J. Lunceford, Ph.D.; Hyun Kyoung Ro, Ph.D.

Within the Department of Higher Education and Student Affairs, the Higher Education Administration Ph.D. Program is dedicated to the preparation of leaders and scholars in higher education who utilize the tools of inquiry to enact a commitment to diversity, equity, and justice to promote postsecondary students' learning and development. It is intended to launch its graduates into new arenas and/or higher levels of leadership in colleges and universities. Students take core coursework in higher education foundations, administration, governance and organization, law, and the college student. Each student, in collaboration with an advisor, fashions a cognate that leads to specialization in an area of personal and professional interest. The sequence of four research courses culminates in a dissertation of original contribution to the knowledge of higher education. For full-time students, the program is designed to be completed in three years. Part-time students are able to complete the program in 4-5 years, depending on the course load taken. Full-time students may be employed in a variety of graduate assistantships that both support and supplement the program. The global understanding requirement broadens and diversifies the student's conception of higher education and how it is influenced by culture and custom.

Ph.D. students are encouraged to participate in experiential learning opportunities such as practica, internships, and assistantships. These experiences provide students with

opportunities to broaden and enhance their professional backgrounds through exposure to new areas of administration, instruction, and research as well as the application of theory to practice.

Prerequisites to Graduate Work

Applicants to the Ph.D. program must hold a master's degree or equivalent from an accredited institution as a prerequisite for admission to the Ph.D. program. The degree need not be in education, but must be relevant to the student's career objectives. Evidence of at least three years of successful work experience in higher education beyond the master's degree is expected.

Admission Procedure

Applicants seeking admission to the Higher Education Administration Program should follow the instructions outlined in the "Graduate Admission" section of this catalog and should contact the Higher Education Administration Program directly for additional supplemental application materials.

Degree Requirements

The Higher Education Administration Ph.D. Program is a 63 semester hour post-master's curriculum requiring completion of a core of 15 semester hours in higher education studies, 12 semester hours in a cognate specialization of the student's choice, (approved by the faculty adviser), 12 semester hours of research, 6 semester hours of electives, a global understanding requirement, a preliminary examination, a minimum of 16 hours of dissertation research, and two hours of dissertation seminar. Where appropriate, students may be required to complete an internship experience.

In addition to the requirement of the Graduate College to maintain a minimum 3.0 grade point average, a student must earn an A or B in the HIED core and research courses (HIED 7105, 7110, 7120, 7210, 7310, 7510, 7520 and EDFI 7510, 7520). If necessary, a course may be retaken to meet this requirement. This policy will be in effect for students admitted Summer 2012 or later.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by Higher Education Administration use the prefix: HIED.

HISTORY

Scott Martin, Chair
 Michael Brooks, Graduate Coordinator
 128 Williams Hall
 Phone: 419-372-2030

Degrees Offered

Graduate Certificate in Public History; Master of Arts; Master of Arts in Teaching; Doctor of Philosophy

Graduate Faculty*Professors*

Scott C. Martin, Ph.D.; Apollos Nwauwa, Ph.D.

Associate Professors

Douglas Forsyth, Ph.D.; Walter Grunden, Ph.D.;
 Beth Griech-Polelle, Ph.D.; Ruth W. Herndon, Ph.D.;
 Rebecca Mancuso, Ph.D.; Andrew Schocket, Ph.D.,
 Amilcar Challu, Ph.D.

Assistant Professors

Benjamin Greene, Ph.D.; Nicole Jackson, Ph.D.

Instructors

Michael E. Brooks, Ph.D.

The Department of History offers programs leading to the degrees of Master of Arts, Master of Arts in Teaching, and Doctor of Philosophy. It is also possible to pursue a dual Master of Arts in History and German, History and Spanish, or History and French.

In these programs, individual research and knowledge of research by others in the field are integral to students' education. The doctoral program focuses on policy history. Special attention is given to research techniques, historiography, and policy history; indeed, the Bowling Green policy history program is the most comprehensive in the nation, the only one that emphasizes study in non-American as well as American fields. Students examine the interrelationships among politics, institutions, and society, the ways in which policies have often been transformed when put in place, and the consequences of policy decisions. Students are encouraged to work comparatively, across national boundaries.

The History Department has established four potential major or minor fields: American history (U. S. and/or Canada), World history, Modern European history, and Policy history. M.A. and M.A.T.

students must select a primary and a secondary field from these four areas; Ph.D. students may, with the permission of the Graduate Coordinator, select a specialized or self-designed minor field suited to the research or pedagogical needs of the student. M.A. or M.A.T. students may choose policy history as a major or minor field, but all Ph.D. students must choose policy history as their major focus.

Prerequisites to Graduate Work

Graduate study in history requires a minimum of 24 hours of undergraduate work in history. A maximum of six hours in related areas may be accepted as part of the 24-hour requirement.

Admission Procedure

Applicants seeking admission to the graduate program in history should follow the instructions outlined in the "Graduate Admission" section of this catalog. MAT candidates may submit PRAXIS II scores in the appropriate content area in lieu of GRE scores. In addition to the general Graduate College requirements, an applicant should submit to the Department of History the following items along with the online application for admission:

1. At least three letters of recommendation from professors of history or a related field;
2. Evidence of ability to do research and writing, such as a copy of a seminar paper or thesis;
3. A statement of purpose describing your area of research interest, motivations for coming to graduate school, and aspirations following receipt of the graduate degree.

Admission to the Ph.D. program has been put on hiatus pending departmental reorganization, and the department is not currently admitting new doctoral students.

Degree Requirements***Master of Arts***

Candidates may pursue the M.A. degree under one of two plans:

Plan I: Thirty semester hours of graduate credit are required. Candidates must write a thesis and complete an oral examination on the thesis and the field of history in which it lies. This plan includes a language requirement which may be fulfilled either through a dictionary reading knowledge of an approved foreign language or the satisfactory completion of an approved course in quantitative methodology; such as History 6020, and another course, selected in consultation with the Graduate Coordinator, such as SOC 3690, Introductory Statistics or CS 5000, Computing

for Graduate Students. Plan I is recommended for students who plan to pursue doctoral work in history.

Plan II: Thirty semester hours of graduate credit are required. Candidates must complete a comprehensive oral examination in two fields of history. Preparation for the examination normally entails the reading of at least ten to twelve books in the major field and six to ten books in the minor field, selected in consultation with two examiners.

Under both plans, a student's program must include a History seminar designated by the Graduate Coordinator as a methods course, one course in historiography, and two graduate History seminars.

Master of Arts in Teaching

M.A.T. students are required to take 36 semester hours of course work of which 24 to 28 must be in history and 8 to 12 must be in education. There is a final written comprehensive examination supervised by history department faculty members.

Doctor of Philosophy

General Requirements: The doctoral program in history requires the completion of 90 hours of approved graduate credit beyond the bachelor's degree (or 60 beyond the MA degree), including a maximum of 30 hours of credit for research on the dissertation. All candidates for the Ph.D. degree must spend at least two consecutive semesters beyond the master's degree, or equivalent, in residence at the University, during which time a minimum of six hours of work must be completed satisfactorily each semester. The Ph.D. foreign language requirement may be satisfied in one of the following ways:

1. Passing a dictionary-assisted reading proficiency examination in two foreign languages;
2. Passing a dictionary-assisted reading proficiency examination in one foreign language of an approved course or courses in quantitative methodology, to be chosen by the student in consultation with the graduate coordinator and/or the student's major advisor; or
3. Demonstration of high proficiency in one foreign language. In the case of students from countries where English is not the language of instruction, satisfaction of the University's English proficiency requirement satisfies the history foreign language requirement, except when

research is to be conducted in a language other than English or the student's native tongue.

History Requirements: All candidates for the Ph.D. will be required to complete HIST 6520 (Historiography) and a History seminar designated by the Graduate Coordinator as a methods course, unless they have equivalent training in these areas. Students seeking exemption from HIST 6520 or the required methods course must submit proof to the graduate coordinator that the training they have acquired elsewhere is the equivalent of that provided by these courses. Students must prepare for examinations in three fields, one of which will be policy history with a focus in a specialized area (such as American foreign policy, 20th Century U.S. domestic policy, 20th Century Europe, or Modern East Asia).

Examinations: Admission to Ph.D. candidacy is granted following the successful completion of preliminary examinations, which consist of written and oral exercises covering the student's three fields.

Dissertation: Dissertations may be written with any geographical emphasis, but all dissertations must have a focus on private or public institutional decision-making processes.

Graduate Courses

Please access a listing of graduate courses online at the following URL: <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of History use the prefix: HIST.

HUMAN MOVEMENT, SPORT AND LEISURE STUDIES (HMSLS)

Stephen Langendorfer, Director
Vikki Krane, Graduate Coordinator
Eppler Center 112
Phone: 419-372-2878

Degrees Offered

Master of Education

Graduate Faculty

Professors

Bonnie Berger, Ed.D.; Lynn Darby, Ph.D.; Vikki Krane, Ph.D.; Amy Morgan, Ph.D.; Stephen Langendorfer, Ph.D.; Philip Xie, Ph.D.

Associate Professors

Pamela Bechtel, Ph.D.; Brian Campbell, Ph.D.; Travis Heggie, Ph.D.; Todd Keylock, Ph.D.; Bob Lee, Ph.D.; Geoffrey Meek, Ph.D.; Amanda Paule-Koba, Ph.D.; Matthew Kutz, Ph.D.; Matt Laurent, Ph.D.; Raymond Schneider, Ph.D.; Nancy Spencer, Ph.D.; David Tobar, Ph.D.; Adrian Turner, Ph.D.

Assistant Professors

Sungho Cho, Ph.D., J.D.; Hyungsuk Choo, Ph.D.; Andrea Cripps, Ph.D.; Adam Fullenkamp, Ph.D.; Lucy Lee, Ph.D.

Lecturer

Heather Muir, Ph.D.

Program of Study

The School of Human Movement, Sport, and Leisure Studies (HMSLS) offers the Master of Education (M.Ed.) degree in Human Movement, Sport, and Leisure Studies. The M.Ed. program is designed to provide opportunities for research, critical thinking, and analysis within core HMSL classes and program specializations. The School offers three specializations: Kinesiology; Leisure and Tourism; and Sport Administration.

In Kinesiology, or the study of human movement from a lifespan perspective, students may focus on one or more of the following: biomechanics; motor development; motor learning; physical education; sport/exercise physiology; and sport/exercise psychology.

In Leisure and Tourism the focus areas are the study of leisure behavior, leisure industry administration, the social science aspects of tourism, and tourism industry management and event planning.

In Sport Administration, students may concentrate in areas such as: marketing; promotion; administration; facility management; and psychosocial aspects of sport.

Prerequisites to Graduate Work

Prerequisites include a bachelor's degree from an accredited school and a minimum GPA of 2.7. There are also specific admission requirements for each specialization. Deficiencies in prerequisite course work are completed before graduate course work and do not count toward completion of the any course work.

Admission Procedure

Applicants seeking admission to the M.Ed. program should follow the instructions outlined in the "Graduate Admission" section of this catalog as an application to the University via the Graduate College. In addition, an application must be made directly to the School of HMSLS and this is in the form of an online graduate packet which can be requested from the Graduate Coordinator. This includes a 2-3 page personal statement of intent to study at graduate level clearly indicating academic motivations and potential areas of specialization. A resume is also required. For the School's requirements for application visit the School's webpage at: <http://www.bgsu.edu/education-and-human-development/human-movement-sport-leisure-studies/graduate-program.html>. Applicants who wish to be considered for a graduate assistantship must have a minimum 3.0 GPA and complete an assistantship application available from the School of HMSLS. All students must submit GRE or the GMAT for admission. The application can be completed electronically via email.

Degree Requirements

Master of Education

The M.Ed. degree is offered as one of two plans.

Plan I: Candidates must complete a minimum of 32 semester hours of graduate credit, including a thesis (HMSL 6990).

Plan II: Candidates must complete a minimum of 33 semester hours of graduate credit, including a major project (HMSL 6910).

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the School of HMSLS use the prefix: HMSL.

LEARNING DESIGN

Venu Dasigi, Interim Dean, College of Technology, Architecture and Applied Engineering
 Alan Atalah, Associate Dean for Graduate Affairs, College of Technology, Architecture and Applied Engineering

Degree Offered

Master of Education

*Graduate Faculty**Professors*

Alan Atalah, D.E., P.E., ASCE fellow; Salim Elwazani, Ph.D.; Sri Kolla, Ph.D.; Wayne Unsell, Ph.D.; Todd Waggoner, Ph.D., Stan Guidera, Ph.D; Andreas Luescher, Ph.D.

Associate Professors

Gary Benjamin, Ph.D.; David Border, Ph.D.; Ed.D.: Sudershan Jetley, Ph.D.; Royce Ann Martin, Ph.D.; Wilfred Roudebush, Ph.D.; Donna Trautman, Ph.D.

Assistant Professors

Fei Gao, Ph.D.; Christopher Kluse, Ph.D.; Mohammed Mayyas, Ph.D.; Jerry Schnepf, Ph.D.; and Antonio Scontrino, Ph.D.

The Learning Design Master of Education program prepares students to assume learning leadership roles in diverse organizations. Students focus on performance through learning, interactive instructional design, learning theories and strategies, developing learning systems, leadership development, evaluating learning solutions and interventions, helping organizations adapt to continuous and sustainable change and improvement, applied research skills, and leveraging adaptive and immersive learning technologies. Course work in the Learning Design program emphasizes skills in needs analysis, instructional design, instructional strategies, curriculum development, evaluation, cost benefit analysis, interactive media, digital learning theories, new and emerging learning technologies and motivation. These can be blended with course selections from other University program offerings such as technical communication, industrial psychology, human resource management, education, and organization development. Many courses involve projects in business or industry, higher education, or K-12 education settings.

This program will prepare students for the following profit and non-profit career environments: Education, Business & Industry, Military, Government, and Health.

Prerequisites to Graduate Work

A bachelor's degree in education or a related technical or professional area is required. If the graduate coordinator determines deficiencies in a student's background, additional undergraduate or graduate work will be prescribed.

Admission Procedure

Applicants seeking admission to the M.Ed. program should follow the instructions outlined in the "Graduate Admission" section of this catalog. Applicants must present an undergraduate grade point average of no less than a 2.7 on a 4.0 scale.

Degree Requirements

Master of Education

Candidates may pursue the M.Ed. degree under one of two plans.

Plan I: Under this research-centered plan, students must take a minimum of 33 semester hours of graduate credit, write a thesis, and pass a final oral examination.

Plan II: Under this course-centered plan, students must take a minimum of 36 semester hours of graduate credit, write, and defend a major project or comprehensive examination.

In order to maximize graduate offerings in relation to career goals, the remainder of the degree program is designed by each student in consultation with the graduate coordinator. Persons who have undergraduate work in a component area of Learning Design may pursue a degree program to broaden their career opportunities. Persons from education, health, government, military, business or industry may similarly individualize their degree programs. Additional program materials may be obtained from the graduate coordinator.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Learning Design program use the prefixes: LRND and TECH.

MATHEMATICS AND STATISTICS

Hanfeng Chen, Chair
 Craig L. Zirbel, Graduate Coordinator
 450 Mathematical Sciences Building
 Phone: 419-372-2636

Degrees Offered

Master of Arts; Master of Arts in Teaching; Master of Science,
 Doctor of Philosophy in Mathematics; Doctor of Philosophy in
 Statistics.

Graduate Faculty*Professors*

James H. Albert, Ph.D.; Juan Bès, Ph.D.; Kit Chan, Ph.D.; Hanfeng
 Chen, Ph.D.; John Tuhao Chen, Ph.D.; So-Hsiang Chou, Ph.D.;
 Arjun Gupta, Ph.D.; Alexander Izzo, Ph.D.; David Meel, Ed.D.;
 Steven Seubert, Ph.D.; Tong Sun, Ph.D.; Craig L. Zirbel, Ph.D.

Associate Professors

Rieuwert Blok, Ph.D.; Elmas Irmak, Ph.D.; Diem Nguyen, Ph.D.;
 Wei Ning, Ph.D.; Maria Rizzo, Ph.D.; Junfeng Shang, Ph.D.; J.
 Gordon Wade, Ph.D.; Xiangdong Xie, Ph.D.

Assistant Professors

Kimberly Rogers, Ph.D.; Mihai Staic, Ph.D.,

The Department of Mathematics and Statistics offers the Master of
 Arts, the Master of Arts in Teaching, the Master of Science in
 Applied Statistics, the Doctor of Philosophy in Mathematics, and
 the Doctor of Philosophy in Statistics degree programs.

Through proper selection of course work, students in the M.A.
 program can prepare for direct entry into careers in business,
 industry, government, and education, or for study toward a Ph.D. in
 mathematics, statistics, computer science, or operations research.

Areas of specialization in the M.A. program are pure mathematics,
 statistics, and scientific computation. The pure mathematics
 specialization is designed for students interested in obtaining a
 broad background in pure mathematics or in pursuing a Ph.D.
 degree in mathematics. The statistics specialization is designed for
 students interested in theory and applications of statistics and also
 for those planning to pursue a doctoral degree in Statistics. The
 scientific computation specialization is designed for students
 interested in applied mathematics.

The Master of Arts in Teaching degree is designed for those who
 plan a teaching career in the secondary schools, two-year
 colleges, or small liberal arts colleges. Admission to the program
 requires teacher certification and one year of teaching experience
 in mathematics, or consent of the program supervisor. Individuals
 who receive the M.A.T. typically go on to assume leadership roles
 in secondary schools or liberal arts colleges.

The Master of Science in Applied Statistics is offered jointly with
 the Department of Applied Statistics and Operations Research.
 The program prepares students for careers in business, industry,
 or government, or for further study toward a Ph.D. degree in
 statistics.

The doctoral degrees (Ph.D. in Mathematics and Ph.D. in
 Statistics) in the Department of Mathematics and Statistics are
 research degrees. Students in the Ph.D. program are to maintain a
 balance between the depth of the dissertation work and the
 breadth provided by the course work. The programs prepare
 students for academic careers balancing teaching and research,
 or, especially in the case of the statistics Ph.D., research-oriented
 jobs in government and industry.

Prerequisites to Graduate Work

The preferred foundation for master's graduate work is an
 undergraduate major in mathematics or in a closely related area.
 Applicants with less than this level of prerequisite background may
 be accepted if they appear to be adequately prepared for graduate
 work. Minimum preparation consists of a full year in differential
 and integral calculus and two courses for which calculus is a
 prerequisite. Applicants planning to specialize in scientific
 computation should have completed courses in linear algebra,
 advanced calculus, ordinary differential equations, and
 programming in a high-level language such as C++, Java, or
 Python before or soon after admission.

Students may enter the Ph.D. program if they have a master's
 degree in mathematics, statistics, or a closely related area from an
 accredited university and meet admission requirements at Bowling
 Green State University. Applicants planning to specialize in
 Statistics & Probability are also expected to have completed
 courses in advanced linear algebra, applied regression analysis
 and experimental design.

Admission Procedure

Applicants seeking admission to a graduate program in mathematics and statistics should follow the instructions outlined in the "Graduate Admission" section of this catalog.

In addition to the application required by the Graduate College, applicants must submit a statement of intent delineating the purpose for enrolling in the program and career goals. Three original, signed letters of recommendation should be sent to the department. MAT applicant must submit a copy of their teaching certificate.

Requests for department application materials should be directed to the Department Graduate Secretary. Please also see the [Mathematics & Statistics](#) and [Graduate College](#) websites.

Degree Requirements**Master of Arts**

Candidates must complete at least 30 semester hours of approved graduate credit, including at least 18 hours in mathematics/statistics courses numbered 6000 or above, excluding MATH 5850, 5900, 5910, 5920, 6850, 6940, 6950, and seminar courses. In addition, students must satisfy all the requirements in one of the three groups described below.

Pure Mathematics: Required courses are MATH 6330, 6340, 6650, and 6660.

Statistics: Required courses are MATH 5650 or 6650, 6410, 6420, and two additional courses in specialized areas of statistics selected from among MATH 6440, 6450, 6460, 6470, 6480, 6710, 6720, 7400, 7410, 7420, 7450, 7460, 7570, 7580 and any approved 6820 course in statistics.

Scientific Computation: Required courses are MATH 5390, 6180, 6200, 6650, and 6680.

Each of the three programs is offered under the following two plans.

Plan I: Candidates must write a thesis and pass an oral and/or written examination on the thesis.

Plan II: Candidates must pass a written comprehensive examination based on the required courses. Related courses from other fields may be included in the student's plan, subject to the approval of the Graduate Coordinator. The actual course of studies

is designed by the student in consultation with, and with the consent of, the Graduate Coordinator on an individual basis.

Master of Arts in Teaching

The course requirements for this degree are:

1. A total of 35 hours of graduate courses.
2. At least 24 hours of graduate level mathematics courses/statistics including MATH 6280. These courses must include: At least four courses chosen from among MATH 5010, 5020, 5110, 5470, 6020, and 6030; At least one additional graduate level mathematics course excluding MATH 5850, 5860, 5900, 5910, 5920, 6700, 6800, 6810, 6830, 6850, 6940, 6950, 6970, 6990, 7360, 7440, 7470, 7680, and 7690.
3. At least 8 hours of graduate level education courses including EDTL 6460, a seminar in teaching secondary school mathematics. Candidates must prepare a research paper that requires study beyond the usual writing requirements for courses and that demonstrates the ability to apply research findings in a classroom situation. Finally, the student must pass a three-hour written comprehensive examination, based on any two of the core courses from the list in Part (2) of the course requirements for the Master of Arts in Teaching degree.

Master of Science

The Master of Science in Applied Statistics program is offered jointly with the Department of Applied Statistics and Operations Research. Candidates must complete at least 33 semester hours of approved graduate credit, including at least 18 hours in mathematics and/or statistics courses numbered 6000 or above, excluding MATH 5850, 5900, 5910, 5920, 6850, 6940, 6950, and seminar courses. In addition, students must satisfy all the requirements in one of the three groups described below. Students may pursue the M.S. degree under either Plan I or Plan II described below.

Requirements under either plan are: MATH 6410 and 6420, STAT 5020, 5060, and 5080; At least five elective courses (15 credit hours) in Statistics (at least three at 6000 level). Of these elective courses, at least six hours must be from the Department of Mathematics and Statistics, including MATH 5260, 5270, 5450, 5470, 5650, 5660, 6440, 6450, 6460, 6470, 6480, 6710, 6720, 7400, 7570 or 7580, and at least six hours must be from the Department of Applied Statistics and Operations Research, including OR 6610, 6620, STAT 5120, 5140, 5160, 6200, 6300,

6340 or 6440. The remaining three hours may be from offerings of either the Department of Mathematics and Statistics or the Department of Applied Statistics and Operations Research, or may be any graduate course approved by the advisor.;

Plan I: Candidates must complete a minimum of 33 semester hours of graduate course work and three hours of thesis credit. Candidates must submit a thesis on a topic approved by the Statistics Program Committee and must pass an oral examination covering the materials of the thesis and course materials of MATH 6410, 6420, STAT 5020, 5060, and 5080.

Plan II: Candidates must complete a minimum of 33 hours of graduate course work including STAT 6750. Students must pass a written and oral comprehensive examination over MATH 6410 and 6420, and STAT 5020, 5060, and 5080. However, the oral examination can be waived for students with sufficient written examination scores.

Doctor of Philosophy

The programs require a minimum of 90 hours of graduate credit (i.e., 60 hours beyond the master's work).

Course Work.

1. Students who are pursuing a Ph.D. in Mathematics must take eight of the twelve courses listed below. These eight courses must be selected so as to include at least two of these year-long sequences:
 - a. Algebra: 7330, 7340; Analysis: 7650, 7660; Complex Analysis: 6610, 7620; Topology: 6510, 7520; Partial Differential Equations: 7120, 7130; Probability: 7410, 7420.
2. Students who are pursuing a Ph.D. in Statistics must take the following courses:
Statistics: 7450, 7460, 7570, 7580; Analysis: 6650, 6660; Probability: 7410, Six electives from: MATH 6440, 6450, 6460, 6470, 6480, 6710, 6720, 7400, 7420, STAT 6200, 6300, 6340, 6750, and any approved MATH 6000+ or STAT 6000+ letter-grade topic courses.

A doctoral student needs to pass the Qualifying Examination and the Preliminary Examination.

For a student in the Ph.D. in Mathematics program to pass the Qualifying Examination, the student has to pass two four-hour tests, respectively, in two areas of the student's choice from among

the following: algebra (7330, 7340), real analysis (7650, 7660), complex analysis (6610, 7620), topology (6510, 7520), partial differential equations (7120, 7130), and probability (7410, 7420).

For a student in Ph.D. in Statistics program to pass the Qualifying Examination, the student has to pass two four-hour tests, respectively, in two areas of the student's choice from among the following: probability (7410, 7420), estimation and testing hypotheses (7450, 7460), and linear models and computational statistics (7570, 7580). Students intending to write a dissertation in the field of statistics are suggested to choose 7450/7460 and 7570/7580; students intending to write a dissertation in the field of probability are suggested to include 7410/7420 in their choices.

The Preliminary Examinations is administered by a student's Preliminary Exam committee. It consists of a written and an oral component. A student must pass the Department's Qualifying Examination to qualify to take the Preliminary Examination. The Department offers the following general suggestion to students and their Preliminary Committees.

- 1. A topic/field is determined upon mutual agreement between the student and the Preliminary Committee. (It is highly recommended that this topic be the topic/field of the student's future dissertation research.) The Preliminary Committee then assigns materials related to the topic/field for the student to study.
- 2. The student submits a written report on the reading materials to the Preliminary Committee and then gives an oral presentation in front of the Preliminary Committee. An almost-final version of the reading report should be submitted to and accepted by the Preliminary Committee at least one week before the presentation takes place. To pass the Preliminary Examination, the student is expected to show a comprehensive understanding of the topic in the Preliminary Committee's judgment. A final version of the reading report should be filed with the Department before the Department endorses a positive result to the Graduate College.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Mathematics and Statistics use the prefix: MATH.

MEDIA & COMMUNICATION

Laura Stafford, Director
 Sung-Yeon Park, Graduate Coordinator
 302 West Hall
 Phone: 419-372-8349

Degrees Offered

Graduate Certificates; Master of Arts; Doctor of Philosophy

Graduate Faculty*Professors*

James Foust, Ph.D.; Radhika Gajjala, Ph.D.; Alberto Gonzalez, Ph.D.; Louisa Ha, Ph.D.; Laura Martin Lengel, Ph.D.; Thomas Mascaro, Ph.D.; Srinivas Melkote, Ph.D.; Terry Rentner, Ph.D.; Laura Stafford, Ph.D.

Associate Professors

Joshua Atkinson, Ph.D.; Rick Busselle, Ph.D.; Catherine Cassara, Ph.D.; Sandra Faulkner, Ph.D.; Ellen Gorsevski, Ph.D.; Sung-Yeon Park, Ph.D.; Clayton Rosati, Ph.D.; Gi Woong Yun, Ph.D.

Assistant Professors

John Dowd, Ph.D.; Lisa Hanasono, Ph.D.; Kate Magsamen-Conrad, Ph.D.

The graduate program in the School of Media & Communication offers three MA specializations and one generalist MA and a Doctor of Philosophy program. The three areas of MA specializations are Strategic Communication, Social & Interactive Media, and International/Intercultural Communication, although students can also pursue a generalist MA. The Ph.D. program has three emphasis areas: Global Communication, Public Communication, and Development/Health Communication.

Prerequisites to Graduate Work

Applicants to the Graduate Certificate or MA program must hold a bachelor's degree from an accredited institution with a satisfactory academic record. Usually, applicants should have an undergraduate major or minor in a communication-related discipline; others will be considered for admission on an individual basis.

Admission to the doctoral program requires an appropriate master's degree from an accredited institution with an excellent academic record, evidence of research proficiency, and a record which otherwise indicates potential for successful advanced work. Admission decisions are made by the Graduate Program

Committee in the School of Media & Communication. Admission is based upon prior academic experience and achievement, GRE scores, letters of recommendation, and the applicant's stated goals.

Admission Procedure

Applicants seeking admission to the graduate programs in Media & Communication should follow the instructions outlined on the "Information for Prospective Students" page of the School website. Applications who are seeking funding for the following fall semester should have their complete application package ready for review by January 15. Applications received after the date will be reviewed on a rolling basis.

Degree Requirements**Graduate Certificates**

Social & Interactive Media: This certificate program is comprised of 15 credit hours, which can be earned by taking two required courses (MC 5640; MC 7370), one 6000/7000-level elective course in the School of Media & Communication Graduate curriculum, and two of four pre-selected courses.

International/Intercultural Communication: This certificate program is comprised of 15 credit hours, which can be earned by taking two required courses (MC 5090; MC 6570), one 6000/7000-level elective course in the School of Media & Communication Graduate curriculum, and two of four pre-selected courses.

Candidates for both Certificates must maintain a minimum of 3.0 cumulative GPA in all coursework, have no incomplete grades in graduate coursework, and complete the degree within 6 years from the end of the semester of the first course.

Master of Arts

Plan I: Candidates must complete a minimum of 30 semester hours of graduate credit, including a maximum of four hours of thesis credit (MC 6990), and a thesis. Students who write a thesis must pass an oral final examination with a committee composed of two Media and Communication faculty members and a third member either from Media and Communication or another program.

Plan II: Candidates must complete a minimum of 30 semester hours of graduate credit, including a maximum of three hours of comps/project credit (MC 6980/MC 6910), and a written comprehensive examination. Plan II approval is not granted after the student has requested and received official approval of a

thesis topic. In the comprehensive examination for the master's degree, candidates are expected to demonstrate apt knowledge of the discipline of media and communication, research methodologies, and two other courses. The examination is to be held during one day and completed within four and a half hours. Students in Plan II have the option of completing a project in the place of comprehensive examination.

Candidates under both plans must complete 9 hours in the core: MC 6000, Introduction to Media & Communication; MC 6300, Social Scientific Research Methods, MC 6400, Humanistic Research Methods. Students who have assistantships are also required to take MC 6200, Media & Communication Pedagogy: Preparing Future Faculty, in the first semester it is offered after they are funded. In addition to the core, candidates under both plans must also complete 12-15 credit hours of electives, depending on whether they are funded and thus have to take MC 6200 or not. Out of the 12-15 hours, 3 credit hours can come from outside of the School of Media & Communication. No more than 6 hours of readings or internship count toward the 30 hours, not including MC 6980 and MC 6990.

Doctor of Philosophy

The doctoral program requires the following: 64 hours of coursework beyond the MA: 16 hours of dissertation credit; 15 hours in five core courses; 9 hours in three tool courses (see note below); 12 hours in MC emphasis areas; 12 hours of elective MC courses or an approved cognate area outside of the School of Media & Communication. A maximum of 6 hours of readings, internship, or workshop may be counted toward the degree, if deemed to fit into one of the categories above. [Note: One of the three tool courses should be an MC course. Doctoral students can take 5000-level courses, but none of its credit hours may count toward their doctoral degree in Media and Communication. The co/prerequisite graduate-level statistics course may also count, if deemed appropriate by the advisor and student.]

The core courses include 6000 Introduction to Media & Communication, MC 6100 Philosophical Foundations of Media & Communication Theory, MC 6200 Media & Communication Pedagogy (can be substituted by an MC elective for those without funding), MC 6300 Social Scientific Research Methods, and MC 6400 Humanistic Research Methods. All full-time doctoral students are required to take MC 7030 Research Colloquium in Media & Communication (0 credit, graded S/U). There are two examinations during the course of the Ph.D. program. The qualifying exams should be taken in the semester a

student will be completing 18 hours of credits. Usually, exams take place after the 2/3 of the second semester has progressed. The qualifiers are administered in a three-and-a-half-hour time span, in which students answer three questions from three classes that they have taken or are in the process of taking. One question must come from MC 6000; the other two questions are to be chosen by students from 6000/7000 level courses they have taken to the point. Students who do not pass the qualifying exam will not be allowed to proceed in the program. The preliminary examination, administered at or near the completion of coursework, consists of written examinations taken at home for a span of one-week time period. Although other topics may be included, the following categories must be addressed: (1) primary area of interest; (2) secondary area of interest/cognate; (3) theory; (4) methods/tools. The advisor and the student work together to coordinate the execution of preliminary examination. The student's committee will consist of at least four members: an advisor from Media & Communication, two other Media & Communication faculty members, and an outside member appointed by the Graduate College.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/arts-and-sciences/media-and-communication/graduate/courses-and-descriptions.html>. Graduate courses offered by the School of Media & Communication use the prefix: MC.

A partial list of graduate courses regularly offered in the School of Media & Communication includes:

MC 5040 Communication and Conflict
MC 5050 Mediated Cultures and Identities
MC 5080 Intercultural Communication
MC 5090 International Communication
MC 5610 Audience Research
MC 5630 Media Programming
MC 5640 Practicum in Interactive Online Media Production
MC 5670 Gender, Media & Culture
MC 5700 Electronic Surveillance and Privacy

MC 6010 Rhetorical Criticism
MC 6510 Rhetorical Theory: Contemporary
MC 6530 Interpersonal Communication
MC 6560 Health Communication
MC 6570 Intercultural Communication

MC 7010 Interpretive Research Methods in Media & Communication

MC 7020 Descriptive and Inferential Statistics

MC 7110 Mass Communication Theory

MC 7300 Critical Analysis of Media

MC 7370 Seminar in New Media Research

MC 7630 Seminar in International Development

MC 7650 International Media

MC 7660 Race and Communication

MC 7670 Health Communication Campaigns

MENTAL HEALTH AND SCHOOL COUNSELING

Mary Murray, Interim Director, School of Intervention Services
 Kelly Kozlowski, Ph.D., Graduate Coordinator
 451 Education
 Phone: 419-372-9848

Degrees Offered

Master of Arts, Master of Education

Graduate Faculty

Associate Professor
 Susan Norris Huss, Ph.D.

Assistant Professors
 Kelly Kozlowski, Ph.D.

The School of Intervention Services (SIS) offers programs leading to the Master of Arts in Mental Health Counseling and the Master of Education in School Counseling. The Mental Health and School Counseling program is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). Coursework concentrations are designed to provide a broad preparation in the theoretical foundations and the technical skills necessary for employment as a professional counselor.

Prerequisites to Graduate Work

Prerequisites for the M.A. and M.Ed. programs include a bachelor's degree from an accredited university.

Admission Procedure

Applicants seeking admission to the graduate program in Mental Health and School Counseling should follow the instructions outlined in the "Graduate Admission" section of this catalog. Applicants should also contact the School of Intervention Services for additional admission materials and requirements.

Degree Requirements***Master of Arts in Mental Health Counseling***

The Master of Arts in Mental Health Counseling curriculum is designed to meet the needs of students wishing to pursue counseling careers in public and private mental health agencies, the criminal justice system, substance abuse programs, religious settings or colleges. The coursework satisfies the academic requirements of the Ohio Counselor, Social Worker, and Marriage and Family Therapist Board. Candidates are prepared to sit for the state licensure examination qualifying individuals to be a Licensed

Professional Counselor (LPC). Students are required to take a minimum of 50 semester credit hours. Candidates seeking licensure must take a minimum of 15 hours of recommended electives.

Master of Education in School Counseling

The Master of Education in School Counseling curriculum is designed to meet the needs of students wishing to pursue school counselor positions in elementary, middle, or secondary schools. As of 2003, the teaching stipulation in Ohio no longer applies for candidates. Students who complete this coursework will satisfy academic requirements for K-12 school counselor licensure in the state of Ohio. Students seeking state licensure must also successfully complete the required Ohio Assessment for Educators exam. Students are required to take a minimum of 53 credit hours for graduation.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses in Mental Health and School Counseling use the prefix: COUN.

MUSIC

Jeffrey Showell, Dean, College of Musical Arts
 Robert Satterlee, Director of Graduate Studies
 1031 Moore Musical Arts Center
 Phone: 419-372-2182

Degrees Offered

Doctor of Musical Arts in Contemporary Music, Master of Music

Graduate Faculty*Professors*

Emily Freeman Brown, D.M.A.; Christopher Buzzelli, M.M.E.;
 Jeffrey Halsey, M.M.; Vincent Kantorski, Ph.D.; Penny Thompson
 Kruse, D.M.A.; Mikel Kuehn, Ph.D.; Elaine Lillios, D.M.A.;
 William Mathis, D.M.A.; Laura Melton, D.M.A.; Myra Merritt, M.M.;
 Bruce Moss, Ph.D.; Mark Munson, D.M.A.; Mary Natvig, Ph.D.;
 John Sampen, D.M.; Roger Schupp, D.M.A.; Marilyn Shrude, D.M.;
 Alan Smith, D.M.A.

Associate Professors

David Bixler, M.M.; Per Broman, Ph.D.; Elaine Colprit, Ph.D.;
 Nora Engebretsen, Ph.D.; Carol Hayward, D.M.A.;
 Eftychia Papanikolaou, Ph.D.; Andrew Pelletier, D.M.A.;
 Jane Schoonmaker Rodgers, D.M.A.; Thomas Rosenkranz,
 D.M.A.; Charles Saenz, M.M.; Robert Satterlee, D.M.A.
 Kevin Schempf, M.M.; Christopher Scholl, M.M.; Sandra Stegman,
 Ph.D.; Kenneth Thompson, D.M.A.; Gene Trantham, Ph.D.

Assistant Professors

Timothy Cloeter, M.M.; Sean Cooper, D.M.A.; Matthew McBride
 Daline, D.M.A.; Christopher Dietz, Ph.D.; Gregory Decker, Ph.D.;
 Lisa Gruenhagen, Ph.D.; Sidra Lawrence, Ph.D.; Solungga Liu,
 D.M.A.; Katherine Meizel, Ph.D.; Elizabeth Menard, Ph.D.;
 Stephen Miahky, D.M.A.; Nermis Mieses, D.M.A.; Conor Nelson,
 D.M.A.; Susan Nelson, D.M.A.; Arne Spohr, Ph.D.;
 Marcus Zagorski, Ph.D.

The College of Musical Arts offers two graduate programs, the Doctor of Musical Arts in Contemporary Music and the Master of Music.

The Doctor of Musical Arts in Contemporary Music (DMA) offers specializations in composition or performance (conducting, instrumental or vocal). Contemporary music is defined for this degree as art music created after 1945, although chronological flexibility may be permitted according to individual interests.

The DMA develops versatile composers and performers through concentrated focus on contemporary music. The degree is grounded in applied study in composition or performance, but goes beyond traditional boundaries by integrating these practices in multidisciplinary seminars and discovering new contexts through studies in culture, digital media and music cognition.

The Master of Music degree program is designed to prepare musicians to practice their specialization in the changing environment of current American music culture. The program encompasses six emphases: music composition, music education, music history, ethnomusicology, music performance, and music theory.

The music education emphasis features four specializations—Plan I: comprehensive; and Plan II: comprehensive, instrumental, or choral music education.

Music performance majors may select from nine options: choral conducting, orchestral conducting, voice, piano, piano pedagogy, collaborative piano, jazz studies, instrumental performance, and instrumental specialist. The instrumental specialist option consists of a concentration in a major instrument and at least two minor instruments within the brass, strings, and woodwind areas. Considerable flexibility is permitted within an individual program to meet the special needs of students.

Prerequisites to Graduate Work

Applicants for the Doctor of Musical Arts must have an earned master's degree with a minimum GPA of 3.0. Students without a master's degree may apply to the master's program at Bowling Green State University. When the degree is completed, they may apply to the doctoral program. Applicants for the Master of Music should possess an appropriate undergraduate degree as well as potential for advanced study as evidenced by musical and intellectual abilities and achievements. In cases where an applicant is deficient in background, the departmental graduate faculty will require additional course work; for example, remedial courses in music history and music theory.

Admission Procedure

Applicants seeking admission to either the Doctor of Musical Arts or the Master of Music should follow the instructions outlined in the "Graduate Admissions" section of this catalog. In addition to the general admission requirements set by the Graduate College, applicants must fulfill the following departmental requirements.

Doctoral candidates must submit a curriculum vitae, repertoire list, documentation of compositions or performances in the past five years, a sample research paper and three letters of recommendation. All doctoral candidates must present an on campus audition/interview. Specific details concerning what materials are required for composition or performance specializations and the procedures for doctoral auditions/interviews are listed on the College of Musical Arts web site.

Master of Music applicants electing the performance or conducting options must audition for area faculty. Applicants electing music history, ethnomusicology, music theory or music education emphases must submit GRE scores. Applicants electing music history, ethnomusicology or music theory emphases must submit examples of their work with their applications. All music education and music theory applicants must attend an interview. Applicants for the music education degree program must submit the following: (1) a 10-minute videotaped performance on an instrument or voice, (2) a continuous 15-minute videotaped teaching or rehearsal segment, and (3) a writing sample on a topic of the faculty's choice (contact the department chair for details).

Degree Requirements

Doctor of Musical Arts in Contemporary Music

General Requirements: The Doctor of Musical Arts in Contemporary Music is a four-year program requiring a minimum of 66 hours beyond the master's degree. Any required remedial work in history, theory or research methodology will be added to the applicant's program and will not be counted in the required 66 hours toward degree completion. Course work is completed in the student's area of specialization (composition or performance), a cognate of the student's choice, multidisciplinary seminars, and electives. Students must also complete an off-campus internship designed to develop nonacademic career options.

Doctoral students must show a reading knowledge of one foreign language, as is appropriate to the particular specialization. As an alternative, a computer programming language can be substituted for this requirement with permission of the student's doctoral committee. The language proficiency examination must be completed before the final semester of study.

Examinations: Written and oral examinations in music history and theory, with a particular emphasis on contemporary music, are taken after completing 40 hours of course work, not including the internship. Examinations will also cover the student's area of specialization. Successful completion of these exams will admit the

student to candidacy. Upon admission to candidacy, the student will be allowed to begin the culminating experiences in composition or performance. A final oral defense is taken in the last semester of study and focuses on the culminating experiences.

Culminating Experiences: Students specializing in performance must present three solo/chamber music/ensemble programs composed of contemporary music (at least one off-campus). In some cases a major concerto performance with orchestra may be substituted for one of the recitals. Permission for any alternative to this requirement must be secured from the doctoral committee. The composition specialization requires a recital of original works and a composition project (original work for large resources). Students in each specialization must also submit a research paper, combining the individual's major and minor areas of study, and a portfolio (collection of papers written during the degree program, programs, and tapes from performances).

Master of Music

General Requirements: Students must take placement examinations in music history and music theory as they begin their program. Those who do not pass one or more portions are permitted one retest during the first semester of residence. If the retest is not passed, students must take the appropriate remedial course(s): MUCT 5060, 5070, and 5080. These courses cannot be used to satisfy degree requirements.

A diagnostic test in ear training and sight singing is required of all entering theory majors. A single retest will be permitted during the student's first semester in residence. If test results are still unsatisfactory, the student will be required to take Graduate Aural Skills (MUCT 5050) without degree credit.

Specific degree requirements for each emphasis can be obtained from the graduate coordinator in the College of Musical Arts.

Ensemble and/or Applied Credit: A minimum of three semester hours of either ensemble or applied study is required for the Master of Music degree. Ensemble credit may be fulfilled by participation in one or more of the College's large choral and/or instrumental ensembles, or in selected small ensembles. Applied study is a limited enrollment course, with registration priority given to students in the performance option for whom applied study is a specific degree requirement. Others are accommodated on a space- available basis and must confer with the appropriate applied faculty member by the end of the first week of classes. All

students wishing to enroll in applied study must pass an audition for the faculty.

Final Project Requirement: At the culmination of the degree program, students are expected to present a final project appropriate to their area of specialization. Credit for this requirement is given under the course numbers MUCT/MUED/MUSP 6990, MUSP 6980, or MUED 6380 for Music Education Comprehensive Examination. Students may enroll for up to 12 semester hours of final project credit, but no more than three hours will be counted toward the degree. All submissions must follow the schedule of deadlines published by the Graduate College.

Candidates in performance are expected to fulfill the final project requirement by presenting a public recital or recitals according to the degree specifications, and completing either a comprehensive examination or a thesis. Two CD's recording the recital(s) and two copies of the program(s) are to be submitted to the Coordinator of Graduate Studies in the College of Musical Arts. Performance students who follow the comprehensive examination option must submit a portfolio of work compiled during the course of the degree and pass a comprehensive examination based on the portfolio contents. Those following the thesis option must complete a written document on a subject related to their recital, performance medium, or its pedagogy.

Conducting majors are expected to compile on DVD 30 to 45 minutes of music consisting of repertory approved by the appropriate conducting faculty. Ensembles used by candidates will be assigned by the faculty from standing College ensembles, or approved by the faculty.

Music education-Plan I students are expected to submit a thesis on a substantive issue in music education. Music education majors who are excellent performers may, with the approval of the area performance faculty and the chair of music education, fulfill the thesis requirement by means of a recital and document.

Composition students fulfill the final project requirement by submitting the score of an original musical composition. Specific guidelines regarding the length and instrumentation of the composition are available through the College of Musical Arts office.

Students in music history, ethnomusicology, and music theory must submit a thesis as part of the degree requirements.

Students whose final projects require the use of an audio tape or CD must comply with the College of Musical Arts criteria in recording and editing. Further information is available in the CMA Final Project Handbook.

Examination Requirement: Music education-Plan II students must pass a written and oral comprehensive examination at the completion of all course work.

Students in music education-Plan I, music history, and music theory must pass a thesis defense. Students in music composition must either arrange for a premiere performance or defense of their final project composition. Students in music theory, ethnomusicology, and music history must also pass a qualifying examination before beginning the thesis.

Basic Fees and Charges

An applied music fee of \$100 per semester hour or \$200 for two or more hours is charged for one-half hour (1 credit) or one hour (2-4 credits) of individual instruction per week. A student enrolled for applied music has access to practice rooms and equipment without charge, in accordance with schedules and regulations determined by the College of Musical Arts.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the College of Musical Arts use the prefixes: MUCT, MUED, MUS, and MUSP.

ORGANIZATION DEVELOPMENT

Tom Daniels, Assistant Director
 Graduate and Executive Programs in Business
 Room: 371 College of Business Administration
 Phone: 419-372-2488
 E-mail Address: mod@bgsu.edu
 Program Website: <http://www.bgsuomod.com/>

Degree Offered

Master of Organization Development

Designed for experienced managers, human resource and development professionals, owners of small businesses, and consultants, the Master of Organization Development is an executive (part-time) degree program designed to help individuals systematically transform their organizations into world-class competitors. The Executive M.O.D. combines online instruction with weekend classes during the spring, summer, and fall semesters.

This 18-month program prepares graduates to meet the leadership challenges of an ever-changing, increasingly demanding organizational environment by developing the knowledge and skill required to enhance individual, team, and organizational performance.

Admission requires a bachelor's degree from an accredited institution and three or more years of full-time professional or managerial experience for admission.

Employers of executive program applicants must endorse their applicants' participation in the program and, thereby, agree to provide students with opportunities to do research in their organizations and to apply program concepts and methods.

Admission Procedure

Applicants to the Executive M.O.D. program should follow the instructions outlined in the "Graduate Admission" section of this catalog. Applicants are reviewed by the program's graduate advisory committee, which makes an admission recommendation to the Graduate College.

Degree Requirements**Master of Organization Development**

The Executive Master of Organization Development (EMOD) program requires 18-months and 30 semester hours of graduate credit for completion. Instruction is delivered through a blend of online and on-campus Executive Residency Weekends. There are three Executive Residency Weekends per semester except during the week international study tour which takes place during the second Spring semester. The weekends are scheduled Friday from 6:00pm-10:00pm, Saturday from 8:00am-5:00pm, and Sunday from 8:00am-3:00pm. The EMOD program's first weekend session typically is held in mid-January. Students then proceed through a sequence of courses in accordance with a predetermined schedule. Executive students typically enroll in two courses in each spring, summer, and fall semester of the program.

The following courses are required to fulfill requirements for the degree: ORGD 6010, ORGD 6015, ORGD 6020, ORGD 6030, ORGD 6040, ORGD 6050, ORGD 6060, ORGD 6080, ORGD 6065, and the capstone course ORGD 6070. The foundation courses (ORGD 6010, 6015, 6030, and 6080) are to be completed prior to the diagnosis courses (ORGD 6040 and 6050), which are to be completed prior to the intervention courses (ORGD 6020 and 6060). The international study tour (ORGD 6065) is scheduled between ORGD 6060 and ORGD 6020. All courses through ORGD 6060 must be completed prior to enrollment in ORGD 6065. The foundation, diagnosis, and intervention courses are to be completed prior to enrolling in ORGD 6070.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered in Organization Development use the prefix ORGD.

PHILOSOPHY

Michael Weber, Chair
 Sara Worley, Director of Graduate Studies
 305 Shatzel Hall
 Phone: 419-372-2117

Degrees Offered

Master of Arts; Doctor of Philosophy

Graduate Faculty*Professors*

Albert Dzur, Ph.D.; Louis Katzner, Ph.D.

Associate Professors

Christian Coons, Ph.D.; Michael Weber, Ph.D.; Sara Worley, Ph.D.

Assistant Professors

Donald Callen, Ph.D.; Kevin Vallier, Ph.D.; Molly Gardner, Ph.D.

Bowling Green's graduate programs in Philosophy combine areas of applied philosophy, such as philosophy of medicine, law, business, and the environment, with training in the appropriate historical, methodological, and theoretical approaches to traditional areas of philosophy, such as moral and political philosophy, epistemology, metaphysics, and logic. The programs are flexible both with respect to areas of specialization and career interests.

The department offers two distinct programs. The Ph.D. program is an integrated five-year program designed for students working toward the doctorate. The M.A. is granted as part of the total program. The separate special M.A. program is intended for students who want to do advanced work in applied philosophy as preparation for either a Ph.D. program or a nonacademic career in law, government, business, health care, or social service.

As an integral part of their studies in either program, students may undertake internships involving work of up to 15 weeks in nonacademic settings such as federal or state agencies, hospitals, corporations, charitable institutions, research centers, and foundations, or take a substantial number of courses in other disciplines.

Prerequisites to Graduate Work

The preferred foundation for graduate work is a major or minor in philosophy. However, applicants with less than this level of preparation who have a strong interest in philosophy are

encouraged to apply. Remedial work may be required for those students judged to have deficiencies in their preparation.

Admission to the Ph.D. program does not require the completion of any graduate work beyond the bachelor's degree. Students enrolling in the program after earning a master's degree in philosophy may receive up to 30 hours of credit toward the Ph.D. requirements as deemed appropriate by the Graduate Committee.

Admission Procedure

Applicants seeking admission to the graduate programs in philosophy should follow the instructions outlined in the "Graduate Admission" section of this catalog. Applicants should also contact the departmental graduate admissions officer for application materials.

Degree Requirements**Doctor of Applied Philosophy**

Students must fulfill the following requirements:

1. the Core Course Requirement consisting of the Proseminar (PHIL 6000); Logic and Analysis (PHIL 6030); History of Ancient Philosophy (PHIL 6110), History of Modern Philosophy (PHIL 6120), and either History of Moral Philosophy (PHIL 6210) or History of Political Philosophy (PHIL 6220); and the three-hour seminar designed to prepare students to teach philosophy (PHIL 6500);
2. a minimum of 6 additional courses in philosophy, including at least 3 in value theory at least two in metaphysics and epistemology, broadly construed;
3. the M.A. Exam/Ph.D. Qualifying Exam, consisting of a portfolio of the student's work that is to be submitted to the faculty the first day of class of the student's fifth semester of residence (not including summers);
4. the preliminary examination and approval of the dissertation topic; and
5. the dissertation and the oral examination over the dissertation.

There is no language requirement unless the student's dissertation supervisor and the department's director of graduate studies decide that it would be appropriate in light of the student's dissertation topic for the student to have a reading competency in a foreign language. The precise way in which the student will meet this requirement will be determined by the student's dissertation supervisor in consultation with the student and with the approval of the director of graduate studies. Prior to completing the language

requirement, the student should submit a written plan for completing the requirement. The form may be secured from the graduate secretary and must be signed by the student's research supervisor and the director of graduate studies.

Students must take a preliminary examination after having completed approximately 60 semester hours of approved graduate work. The preliminary examination typically consists of an essay that the student writes and defends orally and which is designed to show that the student has the ability to do doctoral research in philosophy. The student's doctoral committee determines the exact nature of this examination. Students are admitted to degree candidacy upon successfully defending a dissertation prospectus, normally in conjunction with the preliminary examination.

To complete the requirements for the Ph.D. degree, students must complete a dissertation and pass an oral examination over the dissertation.

Early in their program, students must present a plan of study for the remainder of tenure within the program and arrange for an advisor to guide research throughout the program.

The plan of study must be designed to insure that the student finishes the program a broadly trained philosopher, competent to initiate, conduct, and interpret traditional and applied research. Within this framework, the provisions within a doctoral plan of study are flexible. Programs can be designed to prepare students in any one of the following areas:

1. academic careers in philosophy departments as moral and social philosophers (broadly conceived);
2. academic careers in philosophy departments in the sub-specializations of applied philosophy, e.g., in philosophy of medicine, philosophy of law, philosophy of business, or environmental philosophy;
3. interdisciplinary academic careers; or
4. nonacademic careers in law and government, business, health care, or social service. The individual plan of study is worked out in collaboration with the advisor, subject to approval of the graduate coordinator.

Questions about requirements for the Ph.D. degree can be addressed to the Department of Philosophy office.

Master of Arts

Students in the integrated program will be awarded the MA degree after completing the Core Course Requirements, at least one course in metaphysics and epistemology (broadly construed), at

least two courses in value theory, three additional credit hours, and the MA/PhD qualifying exam. The three additional credit hours may be obtained by completing either an additional course in philosophy, a cognate course in another discipline, internship hours, or an independent study course in preparation for the MA/PhD exam. Satisfying these requirements, plus passing the M.A. Exam/Ph.D. Qualifying Exam, satisfies the requirements for the M.A. under Plan II.

Specialized M.A. Program

This is a terminal M.A. program meant for students who want to do advanced work in applied philosophy as preparation either for a PhD program or for a nonacademic career in law, government, business, health care, or social service.

Students must complete the following requirements:

- (1) a minimum of 30 hours including:
 - (a) the Pro-seminar (PHIL 6000);
 - (b) Logic and Analysis (PHIL 6030);
 - (c) two of: History of Ancient Philosophy (PHIL 6110), History of Modern Philosophy (PHIL 6210), History of Moral Philosophy (PHIL 6210), and History of Political Philosophy (PHIL 6220), at least one of which must be either PHIL 6110 or PHIL 6120;
 - (d) two courses in value theory;
 - (e) one course in metaphysics and epistemology (broadly construed);
 - (f) nine additional hours, which may include other philosophy courses, cognate courses in other disciplines, internship hours, or an independent study for the completion of the MA project;
- (2) the preparation and defense of an MA project.

Internship hours are completed by doing work in applied philosophy, in some form other than taking courses in philosophy, for 6 or 9 credit hours during the equivalent of one semester. An internship report is required to complete the internship option.

The MA project is an essay suitable for a conference or journal on a topic of the student's choosing. The essay will be orally presented and defended to the department. The essay may take the form of an internship report, including discussion of the philosophical issues encountered during the internship. Students may register for a 3 hour independent study course in order to

prepare the essay, or the essay may be a revised version of a paper prepared in the course of a regular seminar.

Completion of these requirements satisfies the requirements for an MA under plan II.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Philosophy use the prefix: PHIL.

PHOTOCHEMICAL SCIENCES

Ksenija Glusac, Ph.D., Graduate Coordinator
Phone: 419-372-2033

Degree Offered

Doctor of Philosophy

Graduate Faculty*Professors*

George Bullerjahn, Ph.D. (Biological Sciences); Malcolm Forbes, Ph.D. (Chemistry); Neocles B. Leontis, Ph.D. (Chemistry); H. Peter Lu, Ph.D. (Chemistry); Michael Y. Ogawa, Ph.D. (Chemistry); R. Marshall Wilson, Ph.D. (Chemistry)

Associate Professors

Pavel Anzenbacher, Jr., Ph.D. (Chemistry); John R. Cable, Ph.D. (Chemistry); Ksenija D. Glusac, Ph.D. (Chemistry); Alexander N. Tarnovsky, Ph.D. (Chemistry); Zhaohui Xu, Ph.D. (Biological Sciences); Mikhail Zamkov, Ph.D. (Physics and Astronomy)

Assistant Professors

Jeremy Klosterman, Ph.D. (Chemistry); Alexis Ostrowski, Ph.D. (Chemistry); Farida Selim, Ph.D. (Physics and Astronomy); Liangfeng Sun, Ph.D. (Physics and Astronomy); Andrew Torelli, Ph.D. (Chemistry); Alexey Zayak, Ph.D. (Physics and Astronomy)

The Doctor of Philosophy program in photochemical sciences, offered by the Center for Photochemical Sciences, is designed for students with a background in chemistry, physics, or biological sciences. The interdisciplinary curriculum consists of a combination of course work and research focusing on the study of the interaction of light with physical, chemical, and biological systems. The course work provides students with a solid foundation in photochemistry and photophysics. It examines applications in fundamental areas of chemistry, biological sciences, physics, spectroscopy, and/or photopolymer science, and prepares students for conducting original research in the field of photochemical sciences

Prerequisites to Graduate Work

Applicants who show evidence of an outstanding undergraduate education and research ability may enter directly into the Ph.D. program after completing the baccalaureate degree in chemistry, biological sciences, or physics. All other applicants must have completed a master's degree in one of the above areas and show evidence of outstanding research performance.

Admission Procedure

Applicants seeking admission to the Ph.D. in photochemical sciences program should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Doctor of Philosophy***

Students must complete at least 90 credit hours of graduate credit (60 beyond the master's degree). These hours must include at least 16 hours of PCS 7990. Each student's course of study is designed with the advice of the student's dissertation advisor to meet his or her needs and interests.

Students must take a qualification examination consisting of a written paper plus an oral presentation administered by the student's Ph.D. committee. The paper and presentation describes the research progress made through the student's first summer in the program and must be completed by the end of the third semester.

Students are required to complete a preliminary examination to qualify for doctoral candidacy after having completed or approached completion of at least 60 hours in the approved course of study beyond the baccalaureate degree. The preliminary examination consists of the written preparation and oral defense of an original research proposal.

Doctoral candidates must complete an independent research project acceptable to their dissertation committee. This research is to be described and evaluated in the dissertation. The final examination for the degree is an oral defense in which the student presents a seminar on the research and defends the results before the dissertation committee.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Photochemical Sciences program use the prefix: PCS.

PHYSICS AND ASTRONOMY

John Laird, Chair
 Lewis Fulcher, Graduate Coordinator
 104 Overman Hall
 Phone: 419-372-2421

Degrees Offered

Master of Arts in Teaching; Master of Science; Consortial Doctor of Philosophy (BGSU and UT)

Graduate Faculty*Professors*

Lewis Fulcher, Ph.D.; John Laird, Ph.D.; Andrew Layden, Ph.D.;
 Dale Smith, Ph.D.

Associate Professors

Haowen Xi, Ph.D.; Mikhail Zamkov, Ph.D.

Assistant Professors

Farida Selim, Ph.D.; Liangfeng Sun, Ph.D.; Alexey Zayak, Ph.D.

The Department of Physics and Astronomy offers programs leading to the degrees of Master of Arts in Teaching, Master of Science, and a consortial Ph.D. in collaboration with the University of Toledo. The curriculum of the programs emphasizes applications as well as a solid foundation in the fundamentals of physics. Course work focuses on developing skills in several areas of emphasis: astrophysics; computational physics; theoretical physics; and solid state physics. All graduate students are involved in research as part of the degree program.

The M.A.T. degree program is designed to prepare students for a physics teaching career or to provide enrichment for practicing teachers. The consortial Ph.D. program enables qualifying students to take courses at BGSU and at UT and to move to UT for their Ph.D. under the direction of either BGSU or UT faculty in physics and astronomy.

Prerequisites to Graduate Work

Applicants should have the equivalent of a bachelor's degree with a major in physics, or a minor in physics and a major in a cognate field from an accredited institution. Applicants should also have taken a minimum of one year of undergraduate chemistry. Applicants with prerequisite deficiencies may be required to take undergraduate course work or satisfactorily complete an examination as a condition of admission.

M.A.T. applicants must have at least one year's teaching experience and hold a valid teaching certificate from the state in which they are teaching.

Consortial Ph.D. Program

For students wishing to obtain a Ph.D. in Physics, the consortial program with the Department of Physics and Astronomy at the University of Toledo is an option. Graduate students at BGSU would complete requirements for the Master of Science at BGSU and take the Ph.D. qualifying exam offered by the University of Toledo. After successfully passing that examination, the student would be admitted to the University of Toledo's program and could take courses at the University of Toledo and at BGSU. After being admitted to candidacy, students may engage in dissertation research with faculty from BGSU, UT, or both.

Admission Procedure

Applicants seeking admission to the graduate programs in physics and astronomy should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Arts in Teaching***

Degree requirements are listed under the heading of Master of Arts in Teaching in the "Graduate Degrees Offered" section of this catalog.

Master of Science

The M.S. degree is offered under two plans.

Plan I: Candidates must complete a minimum of 30 semester hours of 5000 and 6000-level courses approved for graduate credit including a minimum of 26 hours in physics. Students are required to take PHYS 6010, 6020, 6030, 6040, 6050 and 6060, for a total of 18 semester hours. Students must also complete two hours of PHYS 6810 during each Fall and Spring semester. In addition to the above 26 hours in the major field, candidates must present a formal thesis and pass an oral examination on the thesis.

Plan II: Candidates must complete a minimum of 32 semester hours of 5000- and 6000-level courses approved for graduate credit including a minimum of 28 hours in physics. Students are required to take PHYS 6010, 6020, 6030, 6040, 6050, and 6060 for a total of 18 semester hours. Students must also complete two hours of PHYS 6810 during each Fall and Spring semester, and complete two hours of PHYS 6910. In addition to the above 28

hours in the major field, candidates must submit a scholarly paper and pass a final written comprehensive examination covering selected fields.

For students pursuing a specialization, both Plan I and Plan II require additional course work.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Physics and Astronomy use the prefix: PHYS.

POLITICAL SCIENCE / PUBLIC ADMINISTRATION

Neil Englehart, Chair
 Shannon Orr, M.P.A. Coordinator
 124 Williams Hall
 Phone: 419-372-2921

Degrees Offered

Master of Public Administration; Master of Arts (Dual Degree)

Graduate Faculty*Professors*

Albert Dzur, Ph.D.; Neal Jesse, Ph.D.

Associate Professors

Neil Englehart, Ph.D.; David Jackson, Ph.D.; Melissa Miller, Ph.D.;
 Shannon Orr, Ph.D.; Marc Simon, Ph.D.

Assistant Professors

Stefan Fritsch, Ph.D.; Leila Kawar, Ph.D. ; Andrew Kear, Ph.D.;
 Nicole Khalaf-Hughes, Ph.D.; Russell Mills, Ph.D.

Instructor

Tim Newman, Ph.D.; Scott Piroth, Ph.D.; W. Thomas Wiseman,
 Ph.D.;

The Department of Political Science offers programs leading to the degrees of Master of Public Administration and the dual Master of Arts in Political Science and German. The main goal of the master's program in Public Administration is to provide professional education to students who wish to prepare themselves for administrative careers and leadership positions in government. In accordance with recognized professional standards, the program:

1. prepares students for professional and leadership careers in public service;
2. offers an opportunity to in- and mid- career personnel for additional training and career development; and
3. provides foundations for careers in teaching, consultation, and other professions requiring advanced knowledge of public administration.

The dual Master of Arts in Political Science and German Program prepares a limited number of students for careers in some phase of international politics, education, or commerce in which fluency in the German language is essential. For German language

requirements consult the graduate coordinator, Department of German, Russian, and East Asian Languages.

Prerequisites to Graduate Work

Applicants must possess a bachelor's degree from an accredited institution, have at least a 2.8 grade point average for conditional admission, and a 3.0 for regular admission, a 3.25 in the major, and have a major, minor, or satisfactory equivalent in political science or an appropriate field based on the student's area of interest. In cases where an applicant is deficient in background, the appropriate graduate coordinator will recommend additional course work.

Admission Procedure

Applicants seeking admission to graduate programs in political science should follow the instructions in the "Graduate Admission" section of this catalog. Please note the GMAT or GRE are accepted for admission to the Master in Public Administration.

Degree Requirements*Master of Public Administration*

The M.P.A. program consists of four educational components:

1. core curriculum;
2. additional public administration courses; and
3. a thesis OR an internship and capstone experience.

Candidates must complete a total of 36 semester hours of graduate credit, which includes 33 hours of course work. The remaining three hours include completing either a written thesis or an internship and capstone experience. Mid- and in career students have the opportunity to be waived from the internship component.

The 15-hour core curriculum requirement is met by completing POLS 6210, Administrative Theory and Behavior, POLS 6750, Research Methods, POLS 6260 Personnel Management, POLS 6280 Budgeting, POLS 6200 Public Policy. In addition a minimum of 9 credit hours of 6000-level courses must be chosen from the Political Science Department. The other 9 credit hours of public administration coursework may be taken from outside the department.

Students with specialized interests may create a specialization in consultation with the Graduate Coordinator.

Students also take 6 hours of electives. In addition, all students must receive at least a “B” grade in all core classes before undertaking a thesis or capstone.

In addition to these program requirements, all graduates must meet the general degree requirements set by the Graduate College.

Master of Arts (Dual Degree)

Students pursuing a dual Master of Arts in Political Science and German must complete a minimum 54 credit hours (27 in Political Science and 27 in German). For more information on the German component consult the graduate coordinator, Department of German, Russian, and East Asian Languages. The Political Science component consists of 18 hours in the core, six hours of electives and either three hours of thesis or three hours from an internship with an experiential paper and comprehensive exams.

The 18-hour core curriculum requirement is met by completing POLS 6510, Seminar in Comparative Government; POLS 6710, Seminar in International Relations; and POLS 6750, Research Methods. In addition to these three core courses, students are required to choose at least three of the following six core courses:

1. POLS 6800. Seminar in Political Science;
2. POLS 5210. Bureaucratic Politics;
3. POLS 5750. International Organization;
4. POLS 5760. Politics of International Economic Relations;
5. POLS 5780. International Conflict;
6. POLS 5790. Conflict Resolution;

In addition, all students must receive a “B” grade in all core classes before undertaking a thesis or comprehensive exam. The thesis, experiential paper, and comprehensive exam must be drawn from both Political Science and German.

In addition to these program requirements, all graduates must meet the general degree requirements set by the Graduate College.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Political Science use the prefix: POLS.

POPULAR CULTURE

Kristen Rudisill, Chair and Graduate Coordinator
 245 Shatzel Hall
 Phone: 419-372-2796
 Email: rudisik@bgsu.edu

Degree Offered

Master of Arts

Graduate Faculty*Professors*

Jeffrey Brown, Ph.D.; Jeremy Wallach, Ph.D.

Associate Professors

Becca Cragin, Ph.D.; Montana Miller, Ph.D.; Angela Nelson, Ph.D.;
 Kristen Rudisill, Ph.D.;

Assistant Professors

Rebecca Kinney, Ph.D.

Adjunct Graduate Faculty

Esther Clinton, Ph.D.

The Master of Arts degree in Popular Culture is designed to train scholars in the objective analysis of that part of a culture, both past and present, which has a distinctly popular base of appeal.

The Department of Popular Culture has outstanding library and resource support for the graduate program. In 1969, the University established the Browne Popular Culture Library, a non-circulating research library that contains more than 500,000 items from popular novels to television scripts. In addition, the Sound Recordings Archives contains the finest and largest collections of recorded popular music in the United States. Bowling Green State University is the national headquarters for the study of popular culture.

For more information about the Popular Culture MA program, please consult the Popular Culture website at:

<http://www.bgsu.edu/arts-and-sciences/cultural-and-critical-studies/popular-culture.html>.

Prerequisites to Graduate Work

Admission to the M.A. program requires a minimum 3.0 accumulative GPA and 3.0 GPA in a specified discipline in which at

least 20 semester hours of work have been completed. Applicants who hold an undergraduate degree in an interdisciplinary program that includes 20 semester hours of work in a single discipline may be admitted upon the recommendation of the graduate committee.

Admission Procedure

Applicants seeking admission to the M.A. program in popular culture should follow the instructions outlined in the "Graduate Admission" section of this catalog.

In addition to submitting the online application, GRE scores, and official transcripts to the Graduate College, applicants must also submit the following paper documents directly to the Department of Popular Culture:

- a department application form for admission to the Master of Arts Program in Popular Culture
- a Statement of Purpose Essay, 2-to-5 typed pages, that describes your motivations for coming to graduate school, what you hope to achieve in Popular Culture Studies, your plans following the receipt of the Master's Degree, and (if requesting an assistantship) your interests in teaching and other skills that may be useful to the Department
- three (3) letters of recommendation written within the past year and sent by the recommender directly to the Department of Popular Culture.

The department application, statement of purpose, and letters of recommendation should be emailed to popc@bgsu.edu or mailed to:

Graduate Admissions
 Department of Popular Culture
 228 Shatzel Hall
 Bowling Green State University
 Bowling Green, OH 43403-0190.

For full consideration for admission and funding for the following academic year, applications should be submitted by January 14.

Any questions or concerns about the admissions process? Please write to the above address, call 1-419-372-2796, fax 1-419-372-0330 or email popc@bgsu.edu.

Degree Requirements**Master of Arts**

Candidates are required to complete a minimum of 32 semester hours of graduate credit beyond the baccalaureate degree.

Students must complete the following core requirements:

- POPC 6750 Popular Culture Theory and Methodology;
- POPC 6600, Folklore and Folklife;
- three graduate seminars in popular culture; and
- one departmental course in international popular culture.

Candidates are responsible for mastering the content of a core reading list provided to them at the beginning of their academic program. Students are required to complete a general three-question written departmental examination over the core reading list and the required core courses listed above.

The M.A. degree is offered under Plan I-thesis option or Plan II-non-thesis option. The research track outlined below is only offered under Plan I-thesis option.

Plan I: Up to six semester hours of thesis research credit can be applied toward the degree.

Plan II: In addition to the written examination described above, each candidate must pass a two-hour oral examination over an area of specialization.

Candidates are to create their own advisory committees, in close consultation with the graduate coordinator, composed of a chair from within the Department and at least one other faculty member from within the Department. An optional third member can be from within or outside the Department. All members of the committee must have Graduate Faculty status. In the case of the Plan I-thesis candidates, the committee advises the thesis. In the case of the Plan II-non-thesis candidates, the committee exists to advise, prepare, and evaluate the oral examination over the candidate's area of specialization. Students are expected to have created their committee by no later than the end of the second semester in residence in the program.

Graduate Courses

Please access graduate courses online at

<http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html> . Graduate courses offered by the Department of Popular Culture use the prefix: POPC.

PSYCHOLOGY

Michael Zickar, Chair
 William O'Brien, Graduate Coordinator
 206 Psychology Building
 Phone: 419-372-2301

Degrees Offered

Master of Arts; Doctor of Philosophy

Graduate Faculty*Professors*

William Balzer, Ph.D.; Verner Bingman, Ph.D.; Yiwei Chen, Ph.D.; Sheryl Coombs, Ph.D. (Biological Sciences); Eric Dubow, Ph.D.; Milton Hakel, Ph.D.; Scott Highhouse, Ph.D.; Robert Huber, Ph.D. (Biological Sciences); Steve Jex, Ph.D.; Annette Mahoney, Ph.D.; Lee Meserve, Ph.D. (Biological Sciences); Paul Moore, Ph.D. (Biological Sciences); Chris Mruk, Ph.D. (Firelands); Dara Musher-Eizenman, Ph.D.; William O'Brien, Ph.D.; Kenneth Pargament, Ph.D.; Harold Rosenberg, Ph.D.; Patricia Sharp, Ph.D.; Kenneth Shemberg, Ph.D.; Catherine Stein, Ph.D.; John Tisak, Ph.D.; Marie Tisak, Ph.D.; Moira van Staaden, Ph.D. (Biological Sciences); Michael Zickar, Ph.D.

Associate Professors

Richard Anderson, Ph.D.; H. Casey Cromwell, Ph.D.; Jean Gerard, Ph.D. (Human Development and Family Studies); Michael Geusz, Ph.D. (Biological Sciences); Anne Gordon, Ph.D.; Mary Hare, Ph.D.; Dale Klopfer, Ph.D.; Carolyn Tompsett, Ph.D.; Daniel Wiegmann, Ph.D. (Biological Sciences)

Assistant Professors

Claire Barnett Ph.D.; Abby Bradon, Ph.D.; Margaret Brooks, Ph.D. (Management); Dryw Dworsky, Ph.D.; Antoniu Fantana, Ph.D.; Russell Matthews, Ph.D.;

Lecturers

Sherona Garrett-Ruffin, Ph.D.

The Department of Psychology offers programs leading to the degrees of Master of Arts and Doctor of Philosophy. Graduate programs in psychology are research oriented, regardless of the special areas of interest the student may have. Four areas of emphasis are available: clinical, industrial/organizational, developmental, as well as neural and cognitive sciences.

Students are encouraged to become engaged in laboratory, library, and field research either independently or in collaboration with members of the faculty. Practice in research, in addition to the required dissertation research, is an integral part of graduate training. The departmental laboratories are well equipped for the investigation of a wide variety of problems in all areas of contemporary psychology.

Students admitted to graduate study in psychology are required to work toward the Ph.D. degree. The M.A. is granted as part of the total program.

Prerequisites to Graduate Work

It is recommended that applicants should have completed coursework in psychology and statistics. Credit in a related field or pertinent experience may count toward this minimum if approved by the department.

Admission Procedure

Applicants seeking admission to the graduate programs in psychology should follow the instructions outlined in the "Graduate Admission" section of this catalog. After applying to the University, you will receive a link to complete the departments' application process. Nearly all materials are submitted electronically. All application materials must be received by the application deadline (December 1-Industrial/Organizational, December 15-Clinical, January -all other areas) for full consideration.

We do not admit students just for a master's degree. The master's degree is awarded in route to the doctorate.

Degree Requirements**Master of Arts**

Candidates must complete a minimum of 30 semester hours of graduate credit. Students are required to take a department approved methodology course (e.g., PSYC 6280-Clinical Research Methods, PSYC 7800-I/O Research Methods, or PSYC 7810-Cognitive Research Methods and (2) PSYC 6670 and PSYC 6680 (basic statistical theory).

The M.A. degree in psychology is offered under a Plan I-thesis option. Candidates must complete a thesis and perform satisfactorily in an oral defense.

Doctor of Philosophy

Students must complete a minimum of 90 semester hours beyond the baccalaureate degree. Those pursuing a clinical emphasis

must also have a full year of internship. It is emphasized that hour requirements are secondary in importance to breadth of understanding evidenced by satisfactory performance on examinations and demonstrated competence in research. The dissertation, and preparation for it, are central to the student's plan of study. Students are admitted to doctoral study only if there is an available sponsor to guide their research activities throughout the program. Students who enter the program with an M.A. degree from another institution should arrange to be sponsored by a member of the graduate faculty by the end of the first semester on campus.

Early in their program, students must present a plan of study. The plan of study must guarantee that the student finishes the program a broadly trained psychologist, competent to initiate, conduct, and interpret empirical research. Within this framework, however, the provisions for a doctoral plan of study are quite flexible. The individual plan of study is worked out in collaboration with the sponsor. Students must complete satisfactorily a sequence of core courses (methodology and statistics) during the first two years. In addition, students are required to take and successfully master content core courses which are general courses covering the major fields of psychological study. A completed master's-level research project should be presented to the student's committee by the end of the second year of study.

Students must take a preliminary examination after they have completed approximately 60 semester hours of approved graduate credit. The examination may be either in the form of a research project presented to the committee or a written and oral examination dealing with the area of emphasis. A student's doctoral committee determines the exact nature of this examination.

Candidates for the Ph.D. degree must complete a dissertation and pass an oral examination over the dissertation.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Psychology use the prefix: PSYC.

PUBLIC HEALTH

L. Fleming Fallon, Jr., Consortial Co-Director
 Philip Welch, Graduate Coordinator
 234 Health & Human Services
 Phone: 419-372-0368

Degree Offered

Master of Public Health

For Application Materials:

Northwest Ohio Consortium for Public Health
 University of Toledo
 3000 Arlington Ave., MS 1042
 Toledo, OH 43614-2598
 419-383-4112
 or www.nocph.org

Consortial FacultyBowling Green State University*Professors*

L. Fleming Fallon, Jr., M.D., Ph.D., Dr.PH. (Public and Allied Health); Hans Schmalzried, Ph.D. (Emeritus, Public and Allied Health)

Associate Professors

Dawn Anderson, Ph.D. (Public and Allied Health); Hailu Kassa, Ph.D., M.P.H. (Public and Allied Health); Rebecca Pobocik, Ph.D., R.D. (Public and Allied Health)

Assistant Professors

Mary Jon Ludy, Ph.D., R.D. (Public and Allied Health); Robin Tucker-Falconer, Ph.D., R.D.; Philip Welch, Ph.D. (Public and Allied Health)

University of Toledo*Professors*

Farhang Akbar, M.S.P.H., Ph.D. (Public Health and Preventive Medicine); Brian Harrington, Ph.D., M.P.H. (Public Health and Preventive Medicine); Joseph Dake, MPH, PhD, (Public Health and Rehabilitative Services)

Associate Professors

Sadik Khuder, Ph.D., M.P.H. (Public Health and Preventive Medicine); Sheryl Milz, Ph.D. (Public Health and Preventive Medicine); Brian Fink, Ph.D., M.P.H. (Public Health and Preventive Medicine)

University of Toledo*Associate Professors*

Deborah Boardley, Ph.D. (Public Health and Rehabilitative Services); Timothy Jordan, Ph.D. (Public Health and Rehabilitative Services)

The Master of Public Health degree program provides advanced study beyond the bachelor degree for persons wishing to update professional skills and obtain new competencies in the area of public health. The program prepares students to enhance public health in the community and to become advocates for needed change. Graduates will be prepared to assess factors affecting health, critique and apply research findings, and, in turn, develop strategies and implement various measures for health promotion and disease prevention. The program is composed of a consortium that includes BGSU and The University of Toledo (UT). The MPH degree is awarded jointly by the two consortial institutions. MPH students have library, computer, parking, and other privileges at both institutions.

Students gain specialized training in one or more of the following five majors:

- Environmental and Occupational Health: Graduates of this major are prepared to address environmental and occupational health issues for industries, agencies, and organizations from scientific, technical, and administrative perspectives.
- Health Promotion and Education: Graduates are prepared to assist communities, organizations, and individuals in working towards a healthier society by using appropriate educational, behavioral, and social change strategies.
- Public Health Administration: Graduates are prepared to assume administrative roles in government and community agencies, health care facilities, and private industry.
- Public Health Nutrition: Graduates are prepared in nutrition disease prevention and health promotion and apply this knowledge to planning, managing, delivering, and evaluating nutrition services and programs.
- Public Health Epidemiology: Graduates are prepared to quantify the distribution and establish the determinants of health problems by describing and analyzing the biological, environmental, social and behavioral factors affecting health, illness, and premature death.

Prerequisites to Graduate Work

It is expected that all applicants will have successfully completed college-level courses in mathematics, biology, and the social sciences. Completion of college-level courses in chemistry and microbiology are required for admission to the Occupational and Environmental Health major and recommended, but not required, for the other majors.

Admission Procedure

Applicants for regular admission must hold an earned baccalaureate degree from an accredited college or university; have a minimum GPA of 3.0 on a 4.0 scale (or equivalent); and submit three letters of recommendation (at least two must be from individuals holding a graduate degree). Applicants not meeting these criteria may be eligible for conditional admission but must submit GRE scores. International applicants must submit GRE and TOEFL scores.

Applicants must adhere to the admission guidelines as articulated on the Northwest Ohio Consortium for Public Health website: <http://nocph.org/>.

Degree Requirements**Master of Public Health**

Students complete six core courses (18 credit hours): four major courses (12 credit hours) three elective courses (nine credit hours) and a capstone experience consisting of an internship or scholarly project (three credit hours) and an integrative seminar (three credit hours).

Core Courses: HEAL 6600 and HEAL 6640, PUBH 6000, PUBH 6010, PUBH 6040, PUBH 6050.

Public Health Administration: PUBH 6210, PUBH 6220, PUBH 6280, and PUBH 6350.

Capstone Seminar: PUBH 6850. *Internship or Scholarly Project:* PUBH 6830 or PUBH 6840.

Environmental and Occupational Health: PUBH 5010 and PUBH 5150. PUBH 5500, PATH 6200, and OCCH 5020 (Students select two from this list of three with approval from the major coordinator).

Capstone Seminar: PUBH 6850. *Internship or Scholarly Project:* PUBH 6960 or PUBH 6970.

Health Promotion and Education: HEAL 6200, HEAL 6300, HEAL 6460.

Capstone Seminar: PUBH 6850. *Internship or Research Project:* HEAL 6940 or HEAL 6920.

Public Health Epidemiology: PUBH 6060, PUBH 6030, HEAL 6820. HEAL 6550 or PUBH 6120.

Capstone Seminar: PUBH 6850. *Internship or Scholarly Project:* PUBH 6960/HEAL 6940 or PUBH/HEAL 6920.

Public Health Nutrition: HEAL 6250, HEAL 6520. F&N 5350, F&N 5360, F&N 6090, F&N 6100 (Students select two from this list of four with approval from the major coordinator).

Capstone Seminar: PUBH 6850. *Internship or Scholarly Project:* PUBH 6830/HEAL 6940 or PUBH 6840/HEAL 6920.

Graduate Courses

Please access BGSU graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Public Health program use the prefix: PUBH.

READING

Dr. Timothy Murnen, Interim Director, School of Teaching and Learning

Cindy Bertelsen, Graduate Co-Coordinator

John Sorg, Graduate Co-Coordinator

529 Education Building

Phone: 419-372-7320

Degrees Offered

Master of Education

Certificate Offered

Ohio PreK-12 Reading Endorsement

Graduate Faculty*Professors*

Cindy Hendricks, Ph.D.

Associate Professors

Cynthia Bertelsen, Ph.D.; Nancy Fordham, Ph.D.; Timothy Murnen, Ph.D.

Assistant Professors

Katherine Brodeur, Ph.D.; Angela Thomas, Ph.D.; Joanna Weaver, Ph.D.

Lecturer

John Sorg, Ed.D.

The School of Teaching and Learning (STL) offers programs leading to the degree of Master of Education in reading. A reading endorsement certificate program is available for those students who do not wish to pursue a degree program.

The Master of Education in Reading is a graduate program that meets Ohio's PreK-12 reading endorsement requirements. The specific goal of the program is to prepare teachers to provide specialized reading and writing instruction, to assess and diagnose literacy behavior, and to serve as resource persons in PreK-12 settings. Students choose Plan II (non-thesis option). The M.Ed. leads to a PreK-12 reading endorsement.

Applicants to the M.Ed. reading program should have a teaching certificate/license and teaching experience at the early childhood, middle childhood, or adolescent/young adult level. The M.Ed. in reading program is structured in accordance with the licensing

requirements established by the Ohio Department of Education Ohio Board of Regents and the International Reading Association.

Prerequisites for Graduate Work

Prerequisites for the M.Ed. programs include a bachelor's degree from an accredited institution.

Procedure

Applicants seeking admission to the graduate programs offered by the School of Teaching and Learning should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Education in Reading***

Candidates must complete a minimum of 36 semester hours of graduate credit and the appropriate Ohio Assessment for Educators examination(s). The following course work is required:

1. Required Core Courses - The required core reading courses that meet Ohio PreK-12 Reading Endorsement requirements are EDTL 6200, 6210, 6220, 6260 and 6280.
2. Required Research Courses - The required research courses for Plan II (non-thesis option) are EDFI 6410 and EDTL 6440.
3. Required Reading Courses – In addition to the required core courses for the reading endorsement, candidates must also complete the following: EDTL 6100, 6240, 6270, 6290, 6400. General requirements and degree plans can be found under the heading Master of Education in the "Degree Programs" section of this catalog.

Reading Endorsement

Five graduate courses in reading (EDTL 6200, 6210, 6220, 6260, and 6280) plus a teaching license and a passing score on the Ohio Assessment for Educators Reading test are required for the PreK-12 Reading Teacher Endorsement. The courses must be taken in sequence, although some may be taken concurrently. EDTL 6280 is the culminating course of the sequence. Usually, this program is for licensure purposes only. However, the courses may be applied to the M.Ed. degree in reading if the student has obtained regular admission to the Graduate College.

The Ohio Board of Regents mandates that candidates for the Reading Endorsement meet the following program prerequisites:

(a) current educator license, (b) completed Baccalaureate degree, and (c) completion of 9-12 prerequisite hours of reading coursework contingent on teaching license currently held by the applicant.

Graduate Courses

Please access graduate courses online at

<http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses

associated with this program use the prefix EDTL.

ROMANCE & CLASSICAL STUDIES

Nathan Richardson, Chair
 Beatrice Guenther, Graduate Coordinator, French
 Amy Robinson, Graduate Coordinator, Spanish
 203 Shatzel Hall
 Phone: 419-372-2667

Degrees Offered

Master of Arts; Master of Arts in Teaching

Graduate Faculty*Professors*

Francisco Cabanillas, Ph.D.; Carlo Celli, Ph.D.; Nathan Richardson, Ph.D.

Associate Professors

E. Ernesto Delgado, Ph.D.; Cynthia Ducar, Ph.D.; Valeria Grinberg Pla, Ph.D.; Beatrice Guenther, Ph.D.; Lynn Pearson, Ph.D.; Pedro Porben, Ph.D.;
 Amy Robinson, Ph.D.; Deborah Houk Schocket, Ph.D.; Opportune Zongo, Ph.D.

The Department of Romance and Classical Studies offers programs leading to the degrees of Master of Arts and Master of Arts in Teaching. Students may pursue graduate studies in either French or Spanish. Both the French and Spanish programs combine the cultural benefits of study abroad with the guidance and academic support of the graduate faculty on campus. Students may have the opportunity to begin their studies with coursework abroad in France or Quebec, Spain or Mexico. Those students return to the home campus for their second year of study. Those who prefer not to spend time abroad may take their full course work at the University. The Spanish and French programs are Paul D. Coverdell Peace Corps Fellows programs, and are dedicated to integrating returned Peace Corps volunteers into their internationally-oriented curricula.

Prerequisites to Graduate Work

Admission to graduate study in French or Spanish requires an undergraduate major or minor in French or Spanish (not less than 20 semester hours beyond the intermediate level). Applicants with less background may be accepted, provided they are willing to make up prerequisite deficiencies specified by the graduate coordinator.

Admission Procedure

Applicants seeking admission to the graduate programs in Romance and Classical Studies should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Arts****French*

Candidates pursue graduate studies under one of two plans. Plan I (thesis option): Candidates must complete 36 semester hours of graduate course credit including a minimum of 30 hours of graduate course credit plus the writing of a thesis for which up to six semester hours of credit are granted. Plan I is recommended for individuals who expect to pursue a Ph.D. degree. Plan II (non-thesis option): Candidates must complete 36 semester hours of graduate credit as well as a final research project that includes the paper and an oral presentation.

Spanish

All candidates take a qualifying examination during the first year that consists of essays covering the program's three core fields: literature and culture of Spain; literature and culture of Latin America and Spanish linguistics. Following successful completion of the qualifying exam, candidates choose between one of the following plans (students under both plans must also demonstrate proficiency in the language): Plan I (thesis option): Candidates must complete a minimum of 30 semester hours of graduate credit and the writing of a thesis for which up to six semester hours of credit are granted. Plan I is recommended for individuals who expect to pursue a Ph.D. degree. Plan II (non-thesis option): Candidates must complete 36 semester hours of graduate credit as well as a final research project that includes a paper and an oral presentation.

The Department of Romance and Classical Studies requires that at least 19 credits out of 36 be taken on campus.

Graduate Certificate in French for Professionals and Educators

The graduate-level certificate in French for Professionals and Educators meets the needs of professionals, such as French teachers who require graduate credits for certification as well as the needs of members of international organizations and of the business community with ties to a French-speaking country. The program is designed to enhance students' linguistic ability in French, improve their intercultural communication skills, and their ability to perform

professional functions abroad. The program accommodates different specializations within the context of foreign language learning by allowing students to pursue a research area in a related field such as tourism, business, history, communication studies, political science, or pedagogy. This is a stand-alone certificate program, but can be pursued in conjunction with an M.A. or Ph.D program. A study abroad program during the summer is highly encouraged.

Master of Arts in Teaching

Degree requirements are listed under the heading of Master of Arts in Teaching in the "Degree Programs" section of this catalog. The M.A.T. is open only to applicants who have at least one year's teaching experience and valid certification from the state in which they are teaching or have taught.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Romance and Classical Studies use the prefixes: FREN, ITAL, LAT, ROCS, and SPAN. Additional information can be found at www.bgsu.edu/departments/rocs.

SOCIOLOGY

Susan Brown, Chair
 Stephen Demuth, Graduate Coordinator
 222 Williams Hall
 Phone: 419-372-2294

Degrees Offered

Master of Arts; Doctor of Philosophy

Graduate Faculty*Professors*

Susan Brown, Ph.D.; Alfred DeMaris, Ph.D.; Kara Joyner, Ph.D.; I-Fen Lin, Ph.D.; Monica Longmore, Ph.D.; Wendy Manning, Ph.D.; Laura Sanchez, Ph.D.; Raymond Swisher, Ph.D.

Associate Professors

Jorge Chavez, Ph.D.; Stephen Demuth, Ph.D.; Madeline Duntley, Ph.D.; Karen Guzzo, Ph.D.; Danielle Kuhl, Ph.D.; Kei Nomaguchi, Ph.D.; Gary Oates, Ph.D.;

Assistant Professors

Kelly Balistreri, Ph.D.; Matthew VanEseltine, Ph.D.

The Department of Sociology offers programs leading to the degrees of Master of Arts and Doctor of Philosophy. Students seeking a terminal master's degree may specialize in one area of study: applied demography. The M.A. program in applied demography is designed to prepare individuals for careers in the public sector, private industry, service organizations, and government agencies. Students seeking the Ph.D. may specialize in one of four areas: criminology, demography, family studies, or social psychology.

Regardless of the area of specialization, students in the program build a firm foundation in research methodology, statistics, and theory. The objectives of the Ph.D. program are to provide a broad background in general sociology and to create the capacity for theoretically relevant, rigorous research in at least one area of specialization. Since graduates are employed in both academic and non-academic settings, the program specialty areas provide the flexibility to prepare students for a broad spectrum of professional opportunities.

Prerequisites to Graduate Work

For admission to the M.A. program, applicants must have a satisfactory academic record and a bachelor's degree from an

accredited institution. Applicants must have completed undergraduate courses in methodology, and statistics. In cases where applicants lack familiarity with sociology or another social science, they may be admitted on a conditional basis providing that the deficiencies are remedied during the course of study. A remedial plan will be developed by the Graduate Coordinator for the student's guidance.

Applicants to the Ph.D. program should be strongly motivated individuals whose records indicate that they are capable of successfully completing a Ph.D. degree. Applicants must have completed undergraduate courses in sociological theory, research methodology, and statistics. In cases where applicants are deficient in sociological background, they may be admitted on a conditional basis providing that the deficiencies are remedied during the course of study. A remedial plan will be developed by the Graduate Coordinator for the student's guidance.

Applicants with only a bachelor's degree will complete an M.A. thesis and obtain a master's degree along the way. Applicants who already have completed a master's degree in sociology or a related field are also encouraged to apply for admission to the doctoral program. The completion of an M.A. thesis is a requirement of the doctoral program.

Admission Procedure

Applicants seeking admission to the graduate programs in sociology should follow the instructions outlined in the "Graduate Admission" section of this catalog and in the application section of the department's web page:

<http://www.bgsu.edu/arts-and-sciences/sociology/graduate-program/how-to-apply.html>.

Applicants are required to submit transcripts of all previous college work, scores on the Graduate Record Examination, a sample of academic writing (e.g., a class paper, thesis, or thesis proposal), and three letters of recommendation, at least two of which are from professors familiar with the applicant's academic work. The department also requires that applicants include a five-hundred word essay describing the research interests they hope to pursue in graduate school, their professional goals and aspirations, and why they believe that the BGSU Sociology Department's graduate program will help them pursue these interests and achieve these

goals. This essay is particularly important since it helps the Graduate Committee decide if the department can meet the applicant's career goals.

Degree Requirements

Master of Arts

Candidates for the M.A. degree in applied demography must complete a minimum of 30 semester hours of graduate credit and write a formal thesis. The thesis may be a replication of a previous study, a secondary analysis of data from another study, the product of original research based on primary data, or a piece of library research. Students must pass a final oral examination on the thesis. Students are required to complete the following courses: SOC 6090, Statistical Packages ; SOC 6100, Statistical Techniques and Applications in Sociology; SOC 6110, Intermediate Methodology; and SOC 6120, Intermediate Statistics.. Specific course requirements in addition to the general requirements noted above are provided in the specialty area program statement and in the department's Graduate Student Handbook, all of which may be obtained from the Department of Sociology or at its web site (<http://www.bgsu.edu/arts-and-sciences/sociology/graduate-program/student-handbook.html>).

Doctor of Philosophy

Students are required to complete 90 semester hours of graduate credit beyond the bachelor's degree or 60 hours of graduate credit beyond the master's degree, if the candidate already has obtained the M.A. Students with only a bachelor's degree must complete a master's thesis and will obtain an M.A. degree along the way. Hour requirements, however, are secondary in importance to breadth and depth of knowledge as evidenced by performance on the departmental major area preliminary examination and demonstrated research competence. The dissertation, a mature piece of scholarship embodying the results of original research, is central to the student's plan of study. Students who enter with an M.A. are expected to develop a dissertation proposal early in their program. Students who enter with a B.A. will begin to develop a dissertation proposal soon after completing the requirements of the M.A. Students are given considerable flexibility in developing their programs of study within the program's four areas of specialization, although all students are expected to achieve a level of basic competence in theory, research methods, and statistics.

Doctoral students are required to take six basic courses in theory and quantitative methods: SOC 6010, Classical Sociological Theory; SOC 6090, Statistical Packages; SOC 6100, Statistical Techniques and Applications in Sociology; SOC 6110, Intermediate Methodology; SOC 6120, Intermediate Statistics;; and SOC 7130, Research Design. Doctoral students also must take Teaching Introductory Sociology (SOC 6600) and a minimum of 16 and maximum of 30 hours of SOC 7990, Dissertation Research.

Students must fulfill a language requirement through one of two options: by (a) successfully passing (with a grade of B or better) SOC 6090, Statistical Packages, or (b) demonstrating proficiency in a foreign language.

All Ph.D. students are required to choose a major area of concentration within the sociology department and take a minimum of 5 courses in that area. Students will major in criminology, demography, family studies or social psychology.

All Ph.D. students also are required to choose a minor area of concentration from within the sociology department and must take a minimum of 4 courses in that area. Students will minor in criminology, demography, family studies, quantitative methods, or social psychology. In addition to the required departmental minor, students also may choose, at their option, a second minor from another BGSU department or combination of departments.

All Ph.D. students are required to take an eight-hour major area written preliminary examination in one of the following areas of concentration: criminology, demography, family studies, or social psychology. Performance on the preliminary exam should indicate mastery of the subject matter of the area, not only of that material covered in seminars the student has taken. The preliminary examination encourages students to review, internalize, and integrate the wide breadth of ideas, techniques, and issues within their major area of concentration.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Sociology use the prefix: SOC.

SPECIAL EDUCATION

Mary Murray, Interim Director, School of Intervention Services
Brooks Vostal, Graduate Coordinator
451 Education
Phone: 419-372-7278

Degrees Offered

Master of Education

Certificates Offered

Assistive Technology
Autism Spectrum Disorders
Secondary Transition

Graduate Faculty*Associate Professors*

Lisa Handyside, Ph.D.; Trinka Messenheimer, Ed.D.; William Morrison, Ed.D.; Mary Murray, Ed.D.; Jeanne Novak, Ph.D.

Assistant Professors

David Hampton, Ph.D.; Starr Keyes, Ph.D.; Mariana Mereoiu, Ph.D.; Alicia Mrachko, Ph.D.; Brooks Vostal, Ph.D.

The School of Intervention Services (SIS) in the College of Education and Human Development offers graduate programs in special education leading to the Master of Education (M.Ed.), eligibility for Ohio educator licensure, and university certificates. The M.Ed. in Special Education has five specializations: Assistive Technology, Autism Spectrum Disorders, Mild-Moderate Intervention Specialist, Moderate-Intensive Intervention Specialist, and Secondary Transition. Program graduates are prepared to assist individuals with disabilities access a quality education and assume roles as valued, contributing members of their communities.

Prerequisites to Graduate Work

Prerequisites for the M.Ed. and certificate programs include a bachelor's degree from an accredited university.

Admission Procedure

Applicants seeking admission to the graduate programs in special education should follow the instructions outlined in the "Graduate Admission" section of this catalog and should contact the coordinator of the graduate special education program directly for supplemental application materials. Degree applicants seeking funding must complete a separate assistantship application. To receive fullest consideration for an assistantship, the completed

application must be submitted by February 1 prior to the fall semester a student wishes to enter the program.

Degree Requirements***Master of Education***

Candidates must complete a minimum of 33 semester hours of graduate credit. The following nine semester hours of coursework are required: EDFI 6410, EDFI 6420, and EDIS 6490. Candidates must also complete a thesis, final project, or comprehensive examination. Each area of specialization has additional requirements described in the paragraphs that follow.

Educator Licensure: Candidates who wish to become licensed in the State of Ohio as K-12 Intervention Specialists can choose to specialize in either the Mild/Moderate Intervention Specialist or the Moderate/Intensive Intervention Specialist program area. These licensure programs are designed to prepare candidates with the knowledge, skills, and dispositions required to meet the educational needs of students in grades K-12 (ages 5-21) with mild to moderate disabilities (e.g., learning disabilities, developmental disabilities) or moderate to intensive disabilities (e.g., developmental disabilities, multiple disabilities). Program coursework and field experiences are aligned with special educator preparation standards of the Council for Exceptional Children and integrate foundation knowledge and skills, theories, methods, and practices to work and advocate on behalf of learners with disabilities.

Individuals who enter the program without an initial teaching license are required to complete up to 60 credit hours of licensure coursework. Individuals who hold an initial teaching license can add an intervention specialist license with fewer credit hours of coursework. Upon completing the required licensure coursework and successfully passing state-approved teacher licensure exams and requirements, candidates may apply to the Ohio Department of Education for teacher licensure.

Assistive Technology: Students in the Assistive Technology Specialization program will develop the skills needed to work effectively with individuals with assistive technology needs, their parents, teachers, professionals, and school districts seeking to introduce assistive technologies into multiple environments. This fully online program can be completed in a minimum of 33 semester hours. Five core courses in assistive technology provide the foundation for the program. The Assistive Technology program does not lead to state teaching licensure or endorsement.

Autism Spectrum Disorders (ASD): The ASD Specialization program is intended for individuals who are interested in expanding their knowledge and skills for understanding, identifying, and working effectively with individuals on the autism spectrum. This fully online program can be completed in a minimum of 34 semester hours. The program includes five core autism courses. Each core course requires field experience hours with individuals on the autism spectrum. The ASD program does not lead to state teaching licensure or endorsement.

Secondary Transition: Students in the Secondary Transition Specialization program will develop the knowledge and performance skills to support youth with exceptional learning needs as they transition to adult life. Five online core courses in secondary transition provide the foundation for the program. Students can select from among online and face-to-face courses to complete the 33 semester hours required for the master's degree.

Graduate Certificate Programs

Individuals who wish to receive specialized, graduate-level training in assistive technology, autism, or secondary transition without pursuing the master's degree may enroll in one of three certificate programs offered through the School of Intervention Services. These certificate programs consist of 15 semester hours of coursework and are delivered online. Students accepted into a certificate program must satisfy a prerequisite, EDIS 5310 *Teaching Students with Exceptional Learning Needs*, or its equivalent. Students enter the program as part of an online cohort of learners that moves through the program coursework together. Students must maintain a cumulative GPA of 3.0 or higher in core courses to continue in the program and to receive the certificate.

Assistive Technology

The focus of this certificate program is on developing a knowledge base for working with individuals with assistive technology needs, to help such individuals increase, maintain, or improve their functional abilities. Certificate core courses include EDIS 6400, 6410, 6420, 6430, and one course from a list of approved electives.

Autism Spectrum Disorders

The focus of this certificate program is on developing a knowledge base for working with individuals on the autism spectrum. The program is intended for educators (general and special), school psychologists, counselors, speech-language pathologists, occupational and physical therapists, medical personnel, and educational consultants. The program is comprised of the following

five courses, which are taken in sequence: EDIS 6440, 6460, 6540, 6480, and 6690. Each course in the program requires clinical/field experience hours with individuals on the autism spectrum.

Secondary Transition

This certificate program prepares educators, rehabilitation professionals, and others with the knowledge and performance skills to support youth with exceptional learning needs as they transition to adult life. Students take five core courses: EDIS 6450, EDIS 6610, EDIS 6620, EDIS 6900 and either EDIS 5310 or EDWF 6010. Program completers who hold a current Intervention Specialist or Career-Technical teaching license will be recommended for the State of Ohio Transition-to-Work (TTW) Endorsement.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses in Special Education use the prefix: EDIS.

TEACHER EDUCATION

Tim Murnen, Interim Director, School of Teaching and Learning
 Larry Graser and Rick Worch, Graduate Coordinators
 Phone: 419-372-7320

Degrees Offered

Master of Education

Graduate Faculty*Professors*

Dan Brahier, Ph.D.; Dawn Shinenew, Ph.D.

Associate Professors

Emilio Duran, Ph.D.; Lena Ballone Duran, Ph.D.; Christopher Frey, Ph.D.; Sherri Horner, Ph.D.; Tracy Huziak-Clark, Ph.D.; Gabriel Matney, Ph.D.; Jeanne Novak, Ph.D.; Rick Worch, Ph.D.

Assistant Professors

Jonathan Bostic, Ph.D.; Brigid Burke, Ph.D.

The Master of Education in Teacher Education is a 15-month program designed to prepare person's possessing a bachelor's degree with a major (or equivalent) or minor (or equivalent) in an appropriate content area to qualify for initial teacher licensure in the State of Ohio. Certification specializations include Mathematics – grades 7-12, Science – grades 7-12 (chemistry, earth sciences, integrated sciences, life sciences, physics), and World Languages – grades K-12 (Chinese, French, German, Italian, Japanese, Latin, Russian, Spanish).

Prerequisites for Graduate Work

Prerequisites for the M.Ed. programs include a bachelor's degree from an accredited institution.

Admission Procedure

Applicants seeking admission to the graduate programs offered by the School of Teaching and Learning should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements***Master of Education in Teacher Education***

Candidates must complete a minimum of 39 semester hours* of graduate work approved by the graduate coordinator. Required courses include:

Professional core – EDFI 6030, EDFI 6720, EDIS 5310, EDTL 5020, EDTL 5200, EDTL 6000, and EDTL 6120 (21 credits).

Content methods – one course selected from: EDTL 5290, EDTL 5740, and EDTL 5750 (3 credits).

Research core – EDFI 6450, EDTL 6530, and EDTL 6840 (9 credits).

Teaching internship – EDTL 6890 (6 credits).

Embedded in course work, candidates complete a classroom-based, action-research project in partial fulfillment of the requirements for the degree.

*Optional content electives – courses selected in collaboration with advisor (3-9 credits).

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses associated with the Teacher Education program use the prefixes EDFI, EDIS, and EDTL.

TECHNOLOGY MANAGEMENT

Venu Dasigi, Interim Dean, College of Technology, Architecture and Applied Engineering

Alan Atalah, Associate Dean for Graduate Affairs, College of Technology, Architecture and Applied Engineering

217 Technology Building

Phone: 419-372-8354

David Border, Chair of Dept. Engineering Technologies, Professor, Engineering Technology and Quality Systems, Graduate Coordinator

College of Technology, Architecture and Applied Engineering

263 Technology Building

Phone: 419-372-2461

Degrees Offered

Master of Technology Management; Graduate Certificate in Quality Systems (QS); Graduate Certificate in Construction Management; and Consortium Doctor of Philosophy in Technology Management

Graduate Faculty*Professors*

Alan Atalah, D.E., P.E. ASCE fellow; Salim Elwazani, Ph.D.; Sri Kolla, Ph.D.; Wayne Unsell, Ph.D.; Todd Waggoner, Ph.D., Stan Guidera, Ph.D.; Andreas Luescher, Ph.D.

Associate Professors

Gary Benjamin, Ph.D.; David Border, Ph.D., Ed.D.; Sudershan Jetley, Ph.D.; Royce Ann Martin, Ph.D.; Wilfred Roudebush, Ph.D.; Donna Trautman, Ph.D.

Assistant Professors

Fei Gao, Ph.D.; Christopher Kluse, Ph.D.; Mohammed Mayyas, Ph.D.; Jerry Schnepf, Ph.D.; and Antonio Scontrino, Ph.D.

Master of Technology Management (M.T.M)

The College of Technology, Architecture and Applied Engineering offers the Master of Technology Management (M.T.M) which is designed for individuals interested in Engineering Technology, Quality Systems, or Construction Management.

Engineering technology is focused on innovative engineering applications. Examples of experiences and courses provided in the Engineering Technology specialization include rapid prototyping, contemporary automation, green design, advanced 3D solid modeling strategies, 3D digitization, and Internet-based CAD/CAM

data integration. Graduates in this specialization aspire to be managers of industrial facilities, research and development centers, corporations, etc. in technically complex environments.

Quality Systems prepares leaders and managers for advanced problem solving and applied research in technical projects in a team-based environment. Lean and Six Sigma research and analytical methods are used as innovative management strategies for professionals dealing with change as improvement from various disciplines. All QS courses are done on line acknowledging the ever increasing paradigm shift toward conducting business electronically in robust ways from different locations.

The *construction management* specialization prepares construction professionals for upper level management. It includes the study of advanced-level construction project and program management, cost estimating and bidding strategy, planning and control, dispute reduction and resolution, LEED and Lean construction, and related advanced course work.

The Master of Technology Management degree is designed to accommodate the needs of students and to respond to the industrial needs for advanced technical managers. The program effectively integrates technology and business operations created by advanced technology tools, new materials, and computer graphics in the manufacturing and construction practices. The program prepares its graduate for executive levels of technical management in manufacturing and construction organizations. The design of advanced course work is dictated by the effect of these changes on leadership functions of technical managers.

The Master of Technology Management engages the students in applied technical research. The outcomes of such activity add to the knowledge of relevant practice or solve immediate problems that arise in the work place. Students may also engage in an internship to gain industrial experience. A special feature of the degree program is the flexibility of course work to meet the needs, interests, and career goals of students while addressing the needs of industry. Most of the degree courses are offered in a mix of online and face to face delivery taking advantage of strengths of each delivery method.

Ph.D. in Technology

The Ph.D. in Technology Management program is delivered in cooperation with five other nationally-accredited universities. Indiana State University is the degree granting institution.

University of Central Missouri, East Carolina University, and North Carolina A&T are the other three members of the consortium. The Ph.D. in Technology Management is a web-based program designed to meet the needs of today's technical professionals by offering academically rigorous coursework and experience through distance education. The program offers five specializations:

Construction Management

Coursework within the construction management specialization is directed toward applied research, the advancement of the construction organization, and professional management leading to the effective and efficient control of the construction process.

Digital Communications

The need for faster and more efficient transmission, reception, storage, and retrieval of information in our high-change society has caused digital communications to be one of the fastest growing fields in technology. The purpose of advanced studies in this area is to increase the knowledge about the design and implementation of systems to communicate in a cost-effective manner.

Human Resource Development and Training

Human Resource Development & Industrial Training (HRD&IT) means the integrated use of training and development, organizational development, and career development to improve individuals, group, and organizational effectiveness. HRD&IT relies on more than one subject discipline and draws on theories and insights from education, management, industrial and individual psychology, communication, counseling, economics, sociology, and related areas of research.

Manufacturing Systems

A Manufacturing System can be defined as the means to operate and control processes that add value to a product. Another key characteristic of a manufacturing system is its ability to replicate the product profitably. While traditional manufacturing programs have focused on manufacturing technologies, manufacturing systems concentrates on all activities and practices used to integrate an enterprise's production.

Quality Systems

The QSS program is dedicated to providing people with corporate leadership abilities and faculty for the profession. Graduates shall have a global vision encompassing quality systems. The primary QSS focus is to provide people with the ability to manage complex organizations to meet the requirements of customer satisfaction in public and private sectors.

Prerequisites to Graduate Work

Master of Technology Management (M.T.M)

The program is designed to serve graduates of recognized bachelor's degree programs in engineering and other technology, as well as graduates of other degree programs who wish to undertake professional studies in technology.

Ph.D. in Technology

Visit the following website for the prerequisites for the degree: <http://www.indstate.edu/consortphd/>.

Admission Procedure

Applicants seeking admission to the Master of Technology Management program should follow the instructions outlined in the "Graduate Admission" section of this catalog. Applicants must present an undergraduate grade point average of no less than 3.0 on a 4.0 scale.

Visit the following website for the admission procedure for PhD degree: <http://www.indstate.edu/consortphd/>.

Degree Requirements

Master of Technology Management

The time required to complete the program varies from four to five semesters of full-time study. Part-time students must adjust their schedule for completion accordingly.

Students may pursue the degree under one of two plans.

Plan I: Under this research-centered plan, candidates must complete a minimum of 27 semester hours of graduate credit and a thesis equivalent to an additional six semester hours. Within the 27 semester-hours requirement, opportunities exist for internships and research in industry.

Plan II: Under this course-centered plan, candidates must complete a minimum of 27 semester hours of graduate credit and a major project equivalent to an additional six semester hours. Within the 27 semester-hour requirement, opportunities exist for internships and research in industry.

The Master of Technology Management program consists of four components. Specific courses that meet the component requirements are selected by the student in consultation with and approval of the graduate advisor. The four components are:

1. the technology core (six credits) which consists of course work in engineering economics and project management;
2. the technology concentration (15 credits) which consists of course work in the following specialization areas:
 - a. Engineering technology includes reverse engineering, engineering design with emphasis on contemporary solid modeling and finite element analysis, instrumentation and control, automation, green energy and sustainable design, quality systems and related advanced course work.
 - b. Construction management including study of advanced-level construction project and program management; cost estimating, bidding strategy, and control; dispute reduction and resolution; LEED and Lean construction, and related advanced course work.
 - c. Quality Systems provides a change-oriented curriculum focused heavily on Lean and Six Sigma, and QS 9000 principles. Course work is organized to bring students together online around team projects for continuous improvement in manufacturing and non-manufacturing organizations. The Quality Systems specialization acknowledges the proliferation of quality standards and changes in education, government, health care and virtually all aspects of modern life in our global culture.
3. Business operations (six credits) which consists of statistics and course work selected through advisement from operations research or organizational theory and behavior; and
4. The synthesis experience (six credits) options that are determined based upon the student's choice of Plan I or Plan II. Plan I requires a thesis and Plan II requires a major project. In this activity, the student synthesizes and applies knowledge derived from the program to solve complex manufacturing or construction related problems or to analyze and develop prototype mechanisms or systems. Problems for thesis or major projects derived from the work place are encouraged.

Graduate Courses

Please access graduate courses online at

<http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered

by the Department of Construction Management use the prefixes: CONS and TECH and graduate courses offered by the Department

of Engineering Technologies use the prefixes: ECT, ENGT, ENVR, QS and TECH.

Ph.D. in Technology

Visit the following website for the degree requirements:

<http://www.indstate.edu/consortphd/>.

The Quality Systems Graduate Certificate (QSGC)

The College of Technology, Architecture and Applied Engineering offers Graduate Certificate in Quality Systems which is like the MTM-QS specialization, reflects the American Society for Quality (ASQ) continuous improvement mission based on disciplined analysis of systems in various technical and non-technical environments. This prepares professionals for Quality Systems roles in quality engineering, services, management, training and others, both for manufacturing and non-manufacturing orientations. Students often continue on to complete the MTM-QS master's degree, using the certificate as the specialization.

Construction Management Graduate Certificate

This certificate offers a continuing education vehicle to construction professionals who desire to prepare themselves for upper management levels. This certificate can be a springboard to the Master of Technology Management (MTM) program – Construction Management concentration - at BGSU or elsewhere. This certificate prepares the student to address supervisory and managerial needs in a construction, engineering, and architecture environment. A special feature of the certificate is the flexibility in meeting the needs, interests, and career goals of students while addressing the needs of industry. The certificate consists of five graduate courses in construction management.

THEATRE

Steven E. Boone, Chair
Jonathan Chambers, Graduate Coordinator
212 Wolfe Center
Phone: 419-372-2222

Degrees Offered

Master of Arts; Doctor of Philosophy

Graduate Faculty*Professors*

Cynthia Baron, Ph.D.; Jonathan Chambers, Ph.D.; Bradford Clark, M.F.A.; Lesa Lockford, Ph.D.

Associate Professors

Eileen Cherry-Chandler, Ph.D.; Michael Ellison, Ph.D.; Margaret McCubbin, M.F.A.; Marcus Sherrell, M.F.A.; Daniel Williams, M.F.A.

Assistant Professors

Steven Boone, M.F.A.; Brett Holden, Ph.D.

The Department of Theatre and Film offers graduate programs in Theatre leading to the degrees of Master of Arts and Doctor of Philosophy. The goal of the graduate programs in theatre is to enhance the knowledge, research and writing skills, and artistic ability of students to enable them to function effectively as scholars, teachers, and artists. Academic studies, research, and production experiences are designed to meet the individual needs and interests of students. The M.A. program is designed to relate basic ideas in theatre history, theory, and criticism to creative production in an effort to prepare students for futures in education, professional study, or further graduate study. The doctoral program is for those students planning careers as faculty members in higher education. The Ph.D. program focuses on developing students' abilities to do teaching, research, and writing in an area of specialization.

Prerequisites to Graduate Work

Applicants to the M.A. program must hold a bachelor's degree from an accredited institution and present a satisfactory academic record. Admission usually requires 36 quarter hours or 24 semester hours of undergraduate work in theatre, including courses in acting, directing, technical theatre, and dramatic literature. Applicants with undergraduate majors in fields other than theatre will be considered

for admission on an individual basis and may be required to take specified remedial undergraduate course work.

Applicants to the Ph.D. program must hold a master's degree and present a record indicating potential for successful, advanced scholarly and creative work. Applicants are expected to have completed M.A. courses in research methodologies, theatre and performance history, theatrical production, theory and criticism, and dramatic literature. The graduate selection committee will review the records of all incoming doctoral students in accordance with their declared interests and, if necessary, the doctoral applicant may be required to take specified master's level course work.

Admission Procedure

Applicants seeking admission to the graduate programs in theatre should follow the instructions outlined in the "Graduate Admission" section of this catalog. In addition, applicants must submit a resume outlining educational and professional experiences, three letters of recommendation, and a sample of research writing.

Degree Requirements***Master of Arts***

The M.A. degree in theatre is offered under two plans. Plan I: Candidates must complete 30 semester hours of graduate credit and write a thesis demonstrating an ability to carry on independent research. Students must pass an oral examination over the thesis. Plan II: Candidates must complete a minimum of 30 semester hours of graduate credit and prepare and defend a portfolio of creative/research/pedagogical materials.

Doctor of Philosophy

Students must complete 60 semester hours of graduate credit beyond the master's degree, which includes dissertation credit and a research tool requirement. The doctorate is granted after a candidate passes an oral defense of the dissertation. The dissertation must be an appropriate culmination of the candidate's program of study, and represent scholarly research and writing appropriate in method and subject to the degree program. Details of requirements in addition to the dissertation are found in the department's Ph.D. Handbook. Students are required to demonstrate proficiency in pedagogy, research, and theatre production through formal course work and practice. Students are to participate in professional conventions and/or publish their research findings.

Graduate Courses

Please access graduate courses online at

<http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Department of Theatre and Film use the prefix: THFM.

WOMEN'S, GENDER, AND SEXUALITY STUDIES

Sandra Faulkner, Director/Graduate Coordinator
228 Shatzel Hall
Phone: 419-372-1998
Fax: 419-372-0330
Email: wgss@bgsu.edu

Degree Offered

Graduate Certificate in Women's Studies

Affiliated Graduate Faculty

Bill Albertini, Ph.D. (English); Cynthia Baron, Ph.D. (Theatre & Film); Khani Begum, Ph.D. (English); Ellen Berry, Ph.D. (English and American Culture Studies); Vibha Bhalla, Ph.D. (Ethnic Studies); Ellen Broido, Ph.D. (Leadership and Policy Studies); Jeffrey Brown, Ph.D. (Popular Culture); Kim Coates, Ph.D. (English); Becca Cragin, Ph.D. (Popular Culture); Sandra Faulkner, Ph.D. (Communication); Radhika Gajjala, Ph.D. (American Culture Studies and Communication Studies); Sherona Garrett-Ruffin (Chapman Learning Community); Ellen Gorsevski, Ph.D. (Communication); Valeria Grinberg Pla, Ph.D. (Romance and Classical Studies); Beatrice Guenther, Ph.D. (Romance and Classical Studies); Christina Guenther, Ph.D. (German, Russian and East Asian Languages); Vikki Krane, Ph.D. (Human Movement, Sport, and Leisure Studies); Mary Krueger, Ph.D. (Women's Center); Piya Pal Lapinski, Ph.D. (English); Lesa Lockford, Ph.D. (Theatre & Film); Sidra Lawrence, Ph.D. (Ethnomusicology); Cynthia Mahaffey, Ph.D. (English); Melissa Miller, Ph.D. (Political Science); Mary Natvig, Ph.D. (Musicology/Composition/Theory); Lee Nickoson, Ph.D. (English); Kei Nomagachi, Ph.D. (Sociology); Nancy Orel, Ph.D. (Gerontology); Shannon Orr, Ph.D. (Political Science); Sung-Yeon Park, Ph.D. (Telecommunications); Susana Peña, Ph.D. (School of Cultural and Critical Studies); Laura Sanchez, Ph.D. (Sociology); Jolie Sheffer, Ph.D. (English and American Culture Studies); Nancy Spencer, Ph.D. (Human Movement, Sport, and Leisure Studies); Dafina-Lazarus Stewart (Higher Education & Student Affairs); Allison Terry-Fritsch, Ph.D. (Art); Wendy Watson, Ph.D. (Health and Human Services); Sue Carter Wood, Ph.D. (English).

Steering Committee: Sarah Smith Rainey (WS and Cultural and Critical Studies), Jamie Stuart (WS and Ethnic Studies), Opportune Zongo (WS and Romance and Classical Studies), one graduate student representative and one undergraduate student representative.

Core and Joint-Appointed Graduate Faculty

Sarah Smith Rainey, Ph.D. (WS and Cultural and Critical Studies); Jamie Stuart (WS and Ethnic Studies); Opportune Zongo, Ph.D. (WS and Romance and Classical Studies)

Graduate work in Women's, Gender, and Sexuality Studies may be pursued several ways. Students may complete the graduate certificate in conjunction with another graduate program or as a stand-alone credential. For additional information about the program, please consult the WS program website: <http://www.bgsu.edu/arts-and-sciences/cultural-and-critical-studies/womens-gender-and-sexuality-studies.html>

Graduate Certificate in Women's Studies

The Graduate Certificate in Women's Studies brings together scholars and graduate students across the University actively engaged in interdisciplinary feminist scholarship. The certificate offers an official acknowledgement of training and expertise in the field of women's, gender, and sexuality studies. Students examine how sex, gender, and sexuality have been reflected in culture across time; how they shape institutions as well as personal experience; how they interact with issues such as race, ethnicity, sexuality, and socioeconomic class; and how new ways of thinking about gender challenge the processes by which knowledge about human beings and our behavior is acquired, interpreted, and transmitted. Such a program offers the possibility of cross-disciplinary influence and collaboration, extra-departmental collegiality and support, and professional certification in this rich field of study.

The graduate certificate in women's studies is intended to supplement professional training in a wide variety of fields. As a stand-alone credential, the certificate is designed for individuals working in fields related to advocacy for women (such as in legal and social services professions), women's health care and well being (such as battered women's shelters and women's clinics), and elementary, high school, and community college teachers. This option is designed for returning, non-traditional students.

The certificate may also be pursued as a major or minor area of concentration within established graduate degree programs at BGSU, such as American Culture Studies. Students should consult with their home graduate programs when pursuing this option. In this type of program, students take courses with a gender focus through their master's or doctoral programs as well as courses in Women's Studies. Additionally, Coverdell Peace Corps Fellows who have been admitted to one of the Coverdell

programs at BGSU may also simultaneously acquire a graduate certificate in Women's Studies.

Admission Procedures

Students must apply to the Graduate College for general admission. Admission forms can found at <http://www.bgsu.edu/graduate.html>. GRE scores are not necessary for the stand-alone certificate.

In addition to the application required by the Graduate College, applicants to the certificate program must submit the following to the Women's, Gender, and Sexuality Studies Program:

- (1) two letters of recommendation from recent instructors, employers, or other individuals qualified to evaluate probable success in the program. These letters of recommendations must be sent by recommenders or portfolio service directly to the Program. Alternatively, students currently enrolled in another BGSU graduate program may have their letters of recommendation already on file sent to the Women's, Gender, and Sexuality Studies Program.
- (2) A personal statement of intent delineating the purpose for enrolling in the program and outlining career goals (no more than 3 pages).

Careful attention is given to these materials.

Admission Requirements

Students who wish to be admitted to the graduate certificate program in Women's Studies must meet at least one of the following requirements:

- Be enrolled in a graduate program at BGSU

Or, for the stand-alone certificate:

- Hold a bachelor degree with a 3.0 minimum grade point average
- Have completed a graduate degree in any area.

Certificate Requirements

The certificate program consists of five courses including:

- WS 6200, Feminist Theory (3 credits)
All students who do not have substantial undergraduate and graduate course work in Women's Studies or Feminist Studies should take WS 6100 before taking WS 6200. If you have any questions about your qualifications, please contact the Women's, Gender, and Sexuality Studies Graduate Coordinator.
- Four 3-credit elective courses that focus on Women's Studies, gender, and/or sexuality. These courses should

demonstrate a broad interdisciplinary course of study and are approved by the Women's, Gender, and Sexuality Studies Graduate Coordinator.

- WS 7860, Independent Study in Women's Studies (1 credit). Students work one-on-one with a faculty advisor to complete their final capstone project

Certificate Program Advisors

Each student must have a permanent certificate program advisor in place before commencing his/her one credit hour capstone project. Women's Studies certificate program advisors will be graduate faculty in good standing who are affiliated faculty, joint appointments, members of the Women's Studies Steering Committee, and/or faculty members who teach courses in the certificate program, who agree to serve in this capacity.

Transfer Credit

Continuing graduate students may receive credit for up to five approved courses toward the certificate. Students who have completed degrees and are returning for the certificate may transfer no more than six hours of credit. The rules regarding transfer hours will be the same for certificate programs as they are for other degree programs.

Time to Completion

The graduate certificate in women's studies must be completed within six years from the semester date that the first course is taken, including transfer credit. The certificate is awarded upon the completion of five approved courses plus a one credit hour research capstone course. The graduate certificate in Women's Studies will appear on the student's official transcript.

Cross-listed Courses

Three to five graduate-level women's studies courses typically are offered each semester. The majority of these courses are cross-listed with other programs. Please contact the [Women's, Gender, and Sexuality Studies](#) program for an example of an approved list of courses offered consistently over the past five to seven years.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses offered by the Women's Studies Program use the prefix: WS

WORKFORCE EDUCATION AND DEVELOPMENT

Dr. Timothy Murnen, Interim Director, School of Teaching and Learning
 Robert G. Berns, Graduate Coordinator
 529 Education Building
 Phone: 419-372-7320

Degrees Offered

Master of Education

Graduate Faculty

Professor (Emeritus)
 Robert G. Berns, Ph.D.

Professor
 Deborah Wooldridge, Ph.D.

Assistant Professor
 Frederick Polkinghorne, Ph.D.

The Master of Education in Workforce Education and Development program prepares students to provide education, training, development, and related services. Program graduates support economic and workforce development initiatives by preparing individuals for current, emerging, and future careers opportunities. Workforce Education and Development professionals provide services through middle schools, high schools and career centers; in addition to post-secondary educational settings which include community colleges, adult and continuing education, social service organizations, and business and industry.

The program may be completed in conjunction with additional coursework that leads towards Ohio's career-technical and/or workforce development teacher licensure in such areas as agriculture, business, family and consumer sciences, marketing, trades, and other career fields.

Prerequisites for Graduate Work

Prerequisites for the M.Ed. include a bachelor's degree from an accredited institution. For persons seeking teacher licensure in related areas such as career-technical education, integrated business and marketing, or family and consumer sciences, contact the graduate coordinator at wfed@bgsu.edu.

Admission Procedure

Applicants seeking admission to the graduate programs offered by the School of Teaching and Learning should follow the instructions outlined in the "Graduate Admission" section of this catalog.

Degree Requirements

Master of Education in Workforce Education and Development requirements can be completed through two plans (Plan I and Plan II).

Plan I: Candidates must complete a total of 36 semester hours of graduate credit that includes a master's thesis. Students must successfully complete the program core (EDWF 5630, EDWF 6010, EDWF 6020, EDWF 6030, EDFI 6140), 18 hours of electives, and EDWF 6990 (under the direction of a graduate faculty advisor).

Plan II: Candidates must complete a total of 36 semester hours of graduate credit that includes a capstone experience. Students must successfully complete the program core (EDWF 5630, EDWF 6010, EDWF 6020, EDWF 6030, EDFI 6410), 18 hours of electives, and EDWF 6040 (includes the capstone experience).

On Campus or Online

Options are available to support earning the degree on campus, completely online, or through blended learning, depending on the student's desired career and/or program interests.

Graduate Courses

Please access graduate courses online at <http://www.bgsu.edu/registration-records/courses-and-classes/class-course-information.html>. Graduate courses in Workforce Education and Development use the prefix: EDWF.