

A photograph of a university campus. In the foreground, a row of flagpoles stands on a green lawn, each flying a different national flag. The flags include the United States flag, the flag of the Republic of China, the flag of Hungary, the flag of Romania, the flag of the Netherlands, the flag of the United Kingdom, the flag of France, the flag of Germany, the flag of Italy, the flag of Spain, the flag of the United States of America, and the flag of the European Union. In the background, a large, modern brick building with large glass windows is visible. A paved walkway leads to the building entrance. A few cars are parked in a lot to the left. A large tree with green leaves is in the upper left corner, and a body of water is in the lower right corner.

2008-2009 Academic Catalog

Bowie State University's Values:
Excellence | Civility | Integrity | Diversity | Accountability

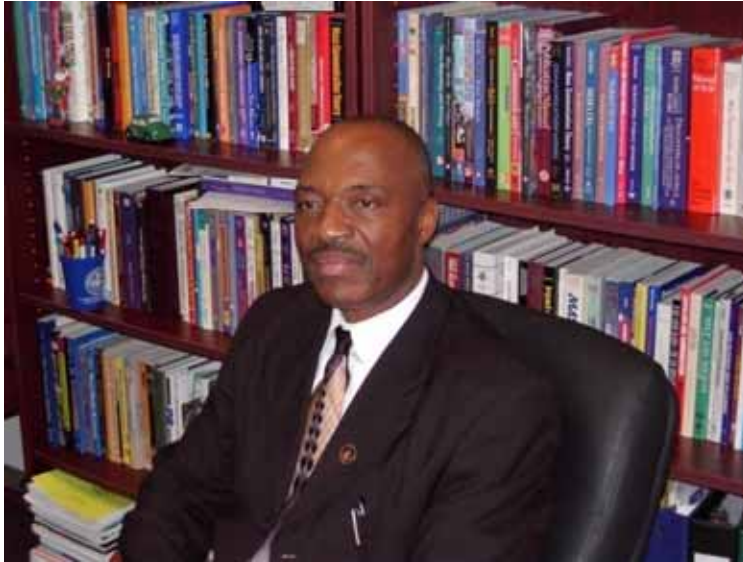
Bowie State University

Graduate Catalog

2008 – 2009

The provisions of this publication are not to be regarded as an irrevocable contract between the student and Bowie State University. This catalog serves as the basic document for academic information, for University policies, and for assisting the student to plan for successful completion of all degree requirements. The University reserves the right to make changes in academic and other requirements, fees or charges, tuition, course offerings, course content, programs, policies, procedures, rules, regulations, and requirements at any time during a student's tenure. However, any necessary changes will be made according to established procedures that protect the integrity of the Institution and the student's interest and welfare. Even if not printed in this catalog, departmental policies and procedures may still apply.

Message from the Interim Dean



Cosmas U. Nwokefor, Ph.D.

Bowie State University has a long and distinguished history as a member of the University System of Maryland. In 1970, BSU offered its first graduate degree in Elementary Education. Since then the more than 20 programs have been added to the inventory of graduate level programs approved by the Maryland Higher Education Commission.

We are pleased to present you with this Graduate catalog for the 2008 – 2009 academic year. Within these pages you will learn about the policies and procedures which govern graduate education. We describe in detail the processes that have to be followed and completed in order for a graduate degree to be earned. We advise you to read and follow the policies in the catalog in order to successfully navigate to your degree.

If you have any questions about the programs that are detailed and described in the catalog, I ask that you contact either the Graduate School office or the appropriate graduate program coordinator.

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University Policy Statement

Bowie State University shall not discriminate against any individual on the basis of race, color, religion, age, ancestry or national origin, sex, sexual orientation, disability, marital status or veteran status. All policies, programs, and activities of Bowie State University are and shall be in conformity with all pertinent Federal and State laws of nondiscrimination, including, but not limited to: Title VII of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Equal Pay Act of 1963; the Age Discrimination Act; the Americans with Disabilities Act of 1990; Federal Executive Order No. 11373; and Article 49B of the Annotated Code of Maryland. This commitment applies in all areas and embraces faculty, staff, and students.

Equal opportunity of access to academic and related programs shall be extended to all persons. Bowie State University shall have as its firm objective equal opportunity in recruitment and hiring, rate of pay, all other promotions, training, retention and dismissals, for all employees and applicants for employment. The University will stress equal access for employees and applicants for employment to all programs and services provided by the University both on and off campus. The University will also provide equal opportunity and an atmosphere of nondiscrimination with respect to women and members of minority groups in all its operations. In addition, the University shall promote equal opportunity and equal treatment through a positive and continuing Affirmative Action Program.

From the Bowie State University Policies and Procedures Manual – Section VI – 1.00. Equal Opportunity Policy Statement

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HISTORY

Bowie State University is an outgrowth of the first school opened in Baltimore, MD, on January 9, 1865, by the Baltimore Association for the Moral and Educational Improvement of Colored People, which was organized on November 28, 1864 to engage in its self-appointed mission on a statewide basis. The first normal school classes sponsored by the Baltimore Association were held in the African Baptist Church located on the corner of Calvert and Saratoga streets. In 1868, with the aid of a grant from the Freedmen's Bureau, the Baltimore Association purchased from the Society of Friends a building at Courtland and Saratoga streets for the relocation of its normal school until 1883, when it was reorganized solely as a normal school to train Negro teachers.

The Baltimore Normal School had received occasional financial support from the City of Baltimore since 1870 and from the state since 1872. In 1871, it received a legacy from the Nelson Wells Fund. This fund, established before Wells' death in February 1943, provided for the education of freed Negro children in Maryland. On April 8, 1908, at the request of the Baltimore Normal School, which desired permanent status and funding as an institution for the education of Negro teachers, the state legislature authorized its Board of Education to assume control of the school. The same law re-designated the institution as a Normal School No. 3. Subsequently, it was relocated on a 187-acre tract in Prince George's County, and by 1914, it was known as the Maryland Normal and Industrial School at Bowie.

A two-year professional curriculum in teacher education which started in 1925 was expanded to a three-year program. In 1935, a four-year program for the training of elementary school teachers began, and the school was renamed Maryland State Teachers College at Bowie. In 1951, with the approval of the State Board of Education, its governing body, Bowie State expanded its program to train teachers for junior high schools. Ten years later, permission was granted to institute a teacher-training program for secondary education. In 1963, a liberal arts program was started, and the name was changed to Bowie State College.

In 1970, Bowie State College was authorized to grant its first graduate degree, the Master of Education. A significant milestone in the development of the graduate studies at Bowie State was achieved with the Board of Trustees' approval of the establishment of the Adler-Dreikurs Institute of Human Relations in 1975. Currently, the University offers bachelor's and master's degree programs and two doctoral degrees. Included in the inventory of degree programs is the Bachelor of Arts, Bachelor of Science, Bachelor of Science in Nursing, Master of Arts, Master of Arts in Teaching, Master of Education, Master of Science, Master of Science in Nursing, Master of Business Administration, Master of Public Administration, Doctor of Education in Educational Leadership, and Doctor of Applied Science in Computer Science.

On July 1, 1988, Bowie State College officially became Bowie State University, a change reflecting significant growth in the institution's programs, enrollment and service to the local area. On the same day, the University also became one of the constituent institutions of the newly formed University System of Maryland.

In 1995, Bowie State University won an 11-year \$27 million award from the National Aeronautics and Space Administration/National Science Foundation to become one of only six national Model Institutions for Excellence in science, engineering and mathematics. This award significantly strengthened the institution's academic infrastructure and enhanced an already excellent computer science and technology program that has consistently ranked first in the nation in graduating African American students with master's degrees.

Bowie State University, throughout its history, has achieved major milestones in spite of limited resources. In spring 2005, with the unveiling of the supercomputer built by its faculty and students, Bowie State emerged as a leader among higher education institutions in computing power. At the time of its unveiling, Bowie State's supercomputer, Xseed, was the fastest supercomputer at any higher education institutions in the state of Maryland, the eighth fastest in the United States, and among the top 200 fastest in the world.

Bowie State University has a long history as one of the nation's leaders in teacher education with 50 years of successive accreditation by the National Council of the Accreditation of Teacher Education (NCATE). Remaining true to a heritage of producing leaders in teacher education, the University reached a major milestone when it was approved to offer its first doctoral program in the field of education. For the first time in the history of the University, Bowie State University conferred an earned doctorate, with 16 persons receiving the Doctorate in Educational Leadership, during the May 2005 commencement. In 2007, the Department of Computer Science received approval to offer the Doctor of Applied Science degree.

INSTITUTIONAL IDENTITY

Established in 1865, Bowie State University is the oldest Historically Black Institution of higher learning in Maryland and one of the oldest in the nation. The University evolved from a normal school into a comprehensive university that offers a wide array of undergraduate, graduate, and professional programs. Currently, Bowie State University serves a diverse student population, providing educational opportunities that enable students to function in a highly technological and interdependent world. The University continues to honor its heritage of providing access to higher education for under-represented populations, with a commitment to African Americans. The University remains a leader in graduating African Americans in technological fields.

Bowie State University fosters a supportive, rigorous, and collaborative environment that nurtures excellence in academics and in professional and cross-cultural relationships. The University places particular emphasis on excellence in teaching and research on teaching methodology in order to improve the teaching-learning process. Bowie State University produces graduates who are leaders among their peers in a global community, who think critically, who value diversity, and who are committed to high moral standards.

Bowie State University is a leader in the infusion of technology into the curriculum while maintaining its role as an institution grounded in the liberal arts. The University is committed to providing a high-quality education that fosters learning and enhances skill acquisition and knowledge discovery based on proven pedagogies and an up-to-date curriculum for students at all levels. The University offers a comprehensive set of undergraduate programs that include the arts and humanities, business and management, teacher education, science and technology, and health and human services.

At the post-baccalaureate level, program offerings include the social sciences, information science and technology, and education. Students are able to pursue certificate programs as well as master's degrees in such disciplines as applied computational mathematics, business, computer science, counseling, counseling psychology, education, English, management information systems, nursing, and organizational communications. The University also offers two doctoral programs—one in computer science and one in educational leadership—and is exploring other doctoral programs in information technology and teaching.

The University is aggressively collaborating with its sister institutions and other agencies to address student retention issues (i.e., Coppin State University; Morgan State University; University of Maryland

Eastern Shore; University of the District of Columbia; and the Maryland Higher Education Commission); increase the number of student internships; and provide research opportunities for faculty and students (i.e., Towson University; National Aeronautics and Space Administration; Naval Research Laboratory; University of Maryland, Baltimore; Howard University; and City University of New York); increase the number of computer technologists (i.e., University of Maryland, College Park; Morgan State University; Johns Hopkins University; University of Maryland, Baltimore County; and Honeywell, formerly Allied Signal Corporation); enhance the quality of the police force (Prince George's County Police Academy); and enhance the quality of teaching in the county and State through Professional Development Schools, induction programs, and critical issues workshops (i.e., Prince George's County Schools; University of Maryland, College Park, Towson University; and Prince George's Community College).

The University is committed to recruiting and retaining a student mix that reflects a population of honor students as well as those who demonstrate leadership qualities, display academic potential, and exhibit the motivation to learn. Bowie State University delivers instruction to a global audience of adult learners through traditional and alternative means.

Bowie State University's workforce consists of a diverse group of dedicated professionals who are committed to implementing the mission of the University. The full-time faculty, complemented by a highly qualified adjunct faculty and supported by a skilled staff, distinguishes itself through excellence in teaching, scholarship/research, and service. Effectively and efficiently, the University will continue to provide excellent educational services to its students through recruitment, development, and retention of a talented workforce.

VISION

Building on its image as a student-centered institution and its history as an HBCU, Bowie State University will provide its diverse student population with a course of study that ensures a broad scope of knowledge and understanding that is deeply rooted in expanded research activities. The University excels in teacher education and will become the premier teacher of teachers. Through the integration of internal business processes, technology, and the teamwork of administrators, faculty and staff, the University will be recognized statewide as a model of excellence in higher education for the effective and efficient use of human, fiscal, and physical resources.

MISSION

Bowie State University, through the effective and efficient management of its resources, provides high-quality and affordable educational opportunities at the bachelor's, master's, and doctoral levels for a diverse student population of Maryland citizens and the global community.

The educational programs are designed to broaden the knowledge base and skill set of students across disciplines and to enable students to think critically, value diversity, become effective leaders, function competently in a highly technical world, and pursue advanced graduate study.

The University is committed to increasing the number of students from under-represented minorities who earn advanced degrees in computer science, mathematics, information technology, and education.

Constituent needs, market demands, and emerging challenges confronting socioeconomic cultures serve as important bases in the University's efforts to develop educational programs and improve student access to instruction.

CORE VALUES

Everything we do as a University will be directed towards enhancing our quality and value to students, alumni, and the community. As the University progresses, we will continue to promote student academic success, public service, and scholarship while incorporating our core values:

Excellence - Promote a love for learning, discovery, and integration across a wide range of disciplines and interests.

Civility - Foster an environment in which each individual is valued, can live safely, and can express himself or herself without fear of reprisal.

Integrity - Promote a sense of justice, trust, consistency, and fair play.

Diversity - Promote an awareness of and sensitivity toward differences of race, gender, ethnicity, national origin, culture, sexual orientation, religion, age, and disability.

Accountability - Provide effective and efficient service all University constituents.

INSTITUTIONAL GOALS

- Goal 1 Provide high-quality and affordable academic programs and support services for all students
- Goal 2 Support growth by enhancing recruitment, access, and retention efforts University-wide
- Goal 3 Promote regional economic and workforce development
- Goal 4 Increase the University's external funding
- Goal 5 Promote effective and efficient use of institutional resources
- Goal 6 Enhance the University's image

CARNEGIE CLASSIFICATION

Master's (Comprehensive) Colleges and Universities I (MA I)

ACADEMIC ACCREDITATION

ACCREDITATION

Association of Collegiate Business Schools and Programs (ACBSP)
Computer Science Accreditation Commission (CSAC) of the Computing Sciences Accreditation Board (CSAB)
Maryland Board of Nursing
Maryland State Department of Education
Middle States Association of Colleges and Schools
National Council for the Accreditation of Teacher Education
National Council on Social Work Education
National League for Nursing Accrediting Commission

MEMBERSHIPS

American Association for Higher Education
American Association of Colleges of Nursing
American Association of Colleges of Teacher Education
American Association of State Colleges and Universities
American Association of University Women
American Council on Education
Association of Teacher Education and Institutions
College Entrance Examination Board
Council for the Advancement of Secondary Education
Maryland Association of Higher Education
National Association for Equal Opportunity in Higher Education
National League for Nursing

UNIVERSITY BUILDINGS AND FACILITIES

The setting of the University has much to do with its special atmosphere. The serenity of the campus offers students a chance to study in an environment free from distractions. A mixture of classic Georgian and contemporary architecture, the twenty-one (21) buildings on campus include facilities that house academic and instructional programs, residential and auxiliary support services, and administrative and support activities. Nine (9) buildings provide space for instructional activities and offices for professional staff.

The Center for Business and Graduate Studies is a three story masonry facility dedicated undergraduate and postgraduate teaching facility with high quality interaction space for hands-on learning and pedagogical research. It was completed in 2007 and is located on the left at the main entrance to the campus. The facility currently houses the School of Business and the Graduate School.

The Computer Science Building began its life in 2002 as a “state of the art” facility that houses instructional, laboratory, and research spaces for Computer Science. It also houses instructional space for the Department of Mathematics, the Bowie Satellite Operations and Control Center, and the MIE program.

The Center for Learning and Technology opened August 2000. It is a technology showcase designed to maximize interactions between faculty and students. The Center houses electronically equipped classrooms, interactive lecture halls, computer laboratories, a speech laboratory, and a three hundred-seat auditorium/conference center. The Schools of Education and Professional Studies share the Center for Learning and Technology. The Xseed supercomputer is also housed in the Center.

Martin Luther King, Jr., Communication Arts Center is the largest academic classroom and office facility on campus. First occupied in 1973, this building houses the Samuel L. Myers Auditorium, the Bowie State University Television and Radio stations, lecture halls, classrooms, and several specialized laboratories for programs in the arts, communications, English, foreign languages, music, television, radio, and theatre.

Thurgood Marshall Library was occupied in 1977. The building was designed to house a collection of 270,000 bound volumes and to seat over 1,000 patrons. In addition to general reading and service areas, there are twenty-two (22) small private rooms for student research, studying, and other academic uses. Two large display areas, one on each side of the main entrance are home to special pieces of art work and historical artifacts for Bowie State University. The renovated basement of the Library provides additional computer laboratories, instructional laboratories, media capabilities, and classrooms for students and faculty.

Thurgood Marshall Library houses the Division of Information Technology.

Leonidas James Physical Education Complex is designed to accommodate students enrolled in physical education courses, as well as indoor intramural sports and intercollegiate athletic activities of the University. First occupied in 1973, this facility features a triple-court gymnasium, an exercise room, eight handball courts, and an eight-lane, 25-yard swimming pool. Spectator areas provide seating for 1,831 in the gymnasium and 196 in the pool area.

George M. Crawford Science Building provides state-of-the-art laboratories and support areas for the departments of Natural Sciences and Mathematics. Additionally, the facility houses classroom/lecture space. The Facility was originally constructed in 1967 and renovated in 1991.

Charlotte B. Robinson Hall was originally constructed in 1960 as a laboratory elementary school. The building is currently being used to house a small number of classrooms, the newly created Office of Faculty Research, and several administrative offices.

Residence Halls

The residence halls are Lucretia Kennard, Dwight Holmes, Towers, Harriet Tubman, Goodloe Apartments, Alex Hayley, and Christa McAuliffe Residential Complex. Students must meet special requirements to reside in Goodloe Apartments, Alex Hayley, and Christa McAuliffe have special residency requirements. Alex Hayley houses the University's resident honors students.

THE GRADUATE SCHOOL

The Graduate office provides qualified students with an opportunity to pursue advanced study leading to the Master of Education degree, the Master of Arts degree, the Master of Business Administration degree, the Master of Public Administration degree, the Master of Science degree, the Master of Science in Nursing degree, the Doctor of Education (Ed.D.) degree and the Doctor of Applied Science (D.A.S.) degree.

The Graduate Council

The Graduate Council serves as policy making and advisory body to the Graduate Dean in the consideration of all program matters and degree regulations and procedures at the graduate level.

The Graduate Council is composed of the graduate program coordinators from each department and one graduate student who is appointed by the Graduate Dean. The Provost and Vice President for Academic Affairs and the Graduate Dean serve as ex officio members of the Council with full voting rights. Council members must be full-time teaching faculty who hold the rank of Assistant Professor or above and teach graduate level courses.

The student Graduate Council member may serve up to three years but no longer than the completion of his/her degree. Terms of office of elected members are from July 1 to June 30. The Graduate Council involves other administrative offices, faculty, and part-time faculty when necessary to review and assess matters for discussion and action.

Office of Equal Employment Opportunities Programs and Labor Relations

The Office of Equal Employment Opportunities (EEO) Programs was established to ensure fair practices throughout the University community with regard to students, faculty, and staff. The Office is authorized to investigate any action in which an employee, student, parent, or interested third party alleges violation of rights by the University or its official policies, procedures, or guidelines, and/or alleges violation of any State or Federal laws or regulations. This office also is responsible for the daily administration of the University's labor relations agreements with three bargaining units and is the contact for all labor relations issues university wide. Contact Glenn Isaac at (301) 860-3442 with further questions.

General Graduate Admission Requirements

Applicants must hold a bachelor's degree from a regionally accredited institution and have a cumulative grade point average of 2.5 or better (on a 4.0 point scale).

Applicants with a cumulative grade point average between 2.0 and 2.49 *may* be granted *conditional admission*. Conditional admission will be removed with the attainment of a cumulative grade point average of 3.0 or better after the completion of the first nine graduate credit hours.

Applicants who have admissions material outstanding *may* be granted *provisional admission* if it is determined that he/she meets the admissions requirements for the graduate degree program. Full admission will be granted upon receipt of missing or incomplete admissions material by the Office of Graduate Admissions that satisfies the admissions requirements for the program. This determination will be made by the degree program or its designee. If the provisionally admitted student does not have missing or incomplete admissions material submitted by the last day of classes of the semester in which provisional admission was made, the students will not be allowed to continue in the graduate degree program.

Program requirements for admission vary by program and/or department (see program information).

Application for Admission

Persons seeking to take graduate classes on a degree or certificate basis must complete a graduate application, pay the application fee, and have official transcripts from all colleges or universities that he or she has attended, be sent directly to Bowie State University, including the institution that will confirm the completion of the bachelors' degree. Continuing students who have not been enrolled at Bowie State for more than one semester but less than seven years are required to complete a *Readmission Application*. Admission applications for the Graduate School must be completed by the following deadline dates:

Semester	Deadline Date
Fall	April 1 st
Spring	November 1 st
Summer	April 1 st

Admission requirements may vary by graduate program. Review the specific admission requirements relevant to each degree program.

Send the application and all required materials to:

Office of Graduate Admissions
Henry Administration Building
Bowie State University
14000 Jericho Park Road
Bowie, Maryland 20715-9465

Admission for Non-Degree Students

Students who wish to pursue courses for re-certification, or professional development must file a *Non-Degree Application*, and submit a non-refundable application fee.

Send non-degree applications to:

The Office of the Registrar
Henry Administration Building
Bowie State University
14000 Jericho Park Road
Bowie, Maryland 20715-9465

Residency Requirements

VIII-2.70 POLICY ON STUDENT CLASSIFICATION FOR ADMISSION AND TUITION PURPOSES

(Approved by the Board of Regents August 28, 1990; Amended July 10, 1998; Amended November 27, 2000; Amended April 11, 2003; Amended June 23, 2006, Amended February 15, 2008)

I. POLICY

A. Purpose

To extend the benefits of its system of higher education while encouraging the economical use of the State's resources,¹ it is the policy of the Board of Regents of the University System of Maryland (USM) to recognize the tuition categories of in-state and out-of-state students for the purpose of admission and assessing tuition at USM institutions.

B. Burden of Proof

The person seeking in-state status shall have the burden of proving by clear and convincing evidence that he or she satisfies the requirements and standards set forth in this Policy. Assignment of in-state or out-of-state status will be made by the applicable USM institution upon a review of the totality of facts known or presented to it.

C. In-state Status

To qualify for in-state tuition, a student must demonstrate that, for at least twelve (12) consecutive months immediately prior to and including the last date available to register for courses in the semester/term for which the student seeks in-state tuition status, the student had the continuous intent to:

1. Make Maryland his or her permanent home; and
2. Abandon his or her former home state; and
3. Reside in Maryland indefinitely; and
4. Reside in Maryland primarily for a purpose other than that of attending an educational institution in Maryland.

Satisfying all of the requirements in Section II (and Section III, when applicable) of this policy demonstrates continuous intent and qualifies a student for in-state tuition. Students not entitled to in-state status under this policy shall be assigned out-of-state status for admission and tuition purposes.

D. Presumption

Either of the following circumstances raises a presumption that the student is residing in the State of Maryland primarily for the purpose of attending an educational institution and therefore, does not qualify for in-state status under this policy:

1. A student is attending school or living outside Maryland at the time of application for admission to a USM institution, or
2. A student is Financially Dependent on a person who is not a resident of Maryland. This presumption may be rebutted. The student bears the burden of rebutting the presumption. See "III. Rebuttal Evidence" below.

II. REQUIREMENTS

Before a request for classification to in-state status will be considered, a student must comply with all of the following requirements for a period of at least twelve (12) consecutive months immediately prior to and including the last date available to register for courses in the semester/term for which the student seeks in-state tuition status. The student must demonstrate he or she:

- A. Owns or possesses, and has continuously occupied, including during weekends, breaks and vacations, living quarters in Maryland. The student must provide evidence of a genuine deed or lease and documentation of rent payments made. In lieu of a deed or lease, a notarized affidavit from a landlord showing the address, name of the student as occupant, term of residence, and history of rent payments made will be considered. As an alternative, a student may demonstrate that he or she shares living quarters in Maryland which are owned or rented and occupied by a parent, legal guardian or spouse.
- B. Has substantially all of his or her personal property, such as household effects, furniture and pets in Maryland.
- C. Has paid Maryland income tax on all taxable income including all taxable income earned outside the State and has filed a Maryland tax return.
- D. Has registered all owned or leased motor vehicles in Maryland.

- E. Possesses a valid Maryland driver's license, if licensed.
- F. Is registered to vote in Maryland, if registered to vote.
- G. Receives no public assistance from a state other than the State of Maryland or from a city, county or municipal agency other than one in Maryland.
- H. Has a legal ability under Federal and Maryland law to live permanently without interruption in Maryland.
- I. Has rebutted the presumption that he or she is in Maryland primarily to attend an educational institution, if the student's circumstances have raised the presumption.

III. REBUTTAL EVIDENCE

Satisfying the requirements listed in paragraphs A through I of Section II, does not rebut the presumption that a student is in Maryland primarily to attend an educational institution. To overcome the presumption, a student must present additional evidence.

To determine a student's intent, the University will evaluate evidence of a student's objectively verifiable conduct. Evidence that does not document a period of at least twelve (12) consecutive months immediately prior to and including the last date available to register for courses in the semester/term for which the student seeks in-state tuition status is generally considered an unfavorable factor under this policy. Evidence of intent must be clear and convincing and will be evaluated not only by the amount presented but also based upon the reliability, authenticity, credibility and relevance of the evidence.

The absence of objective, relevant evidence is generally considered an unfavorable factor. A student's statement of intent to remain in Maryland in the future is generally not considered to be objective evidence under this policy.

Additional evidence that will be considered includes, but is not limited to, the following:

- A. Source of financial support:
 - 1. Maryland employment and earnings history through sources beyond those incident to enrollment as a student in an educational institution e.g., beyond support provided by work study, scholarships, grants, stipends, aid, student loans, etc. (Tuition costs will be considered as a student expense only to the extent tuition exceeds the amount of any educational scholarships, grants, student loans, etc.), or
 - 2. Evidence the student is Financially Dependent upon a person who is a resident of Maryland.
- B. Substantial participation as a member of a professional, social, community, civic, political, athletic or religious organization in Maryland, including professionally related school activities that demonstrate a commitment to the student's community or to the State of Maryland. .
Registration as a Maryland resident with the Selective Service, if male.
- C. Evidence showing the student uses his or her Maryland address as his or her sole address of record for all purposes including on health and auto insurance records, bank accounts, tax records, loan and scholarship records, school records, military records, leases, etc.
- D. An affidavit from a person unrelated to the student that provides objective, relevant evidence of a student's conduct demonstrating the student's intent to live permanently in Maryland.

IV. RESIDENTS WHO MAY TEMPORARILY QUALIFY FOR IN-STATE STATUS

In addition, persons with the following status shall be accorded the benefits of in-state status for the period in which they hold such status:

- A. A full-time or part-time (at least 50 percent time) regular employee of USM or a USM institution.

- B. The spouse or Financially Dependent child of a full-time or part-time (at least 50 percent time) regular employee of USM or a USM institution.
- C. A full-time active member of the Armed Forces of the United States whose home of record is Maryland or one who resides or is stationed in Maryland, or the spouse or a Financially Dependent child of such a person. Students that qualify under this provision will retain in-state status for tuition purposes as long as they are Continuously Enrolled regardless of a change in military assignment or status of the active member of the military.
- D. A veteran of the United States Armed Forces with an honorable discharge who, within one year of discharge, presents documentation that he or she attended a secondary school in the State for at least three years, and graduated or received the equivalent of a high school diploma from a secondary school in the State. The veteran must present documentation and register at a USM institution within one year of discharge for this provision to apply.
- E. For UMUC, a full-time active member of the Armed Forces of the United States on active duty, or the spouse of a member of the Armed Forces of the United States on active duty.
- F. A graduate assistant appointed through a USM institution for the semester/term of the appointment. Except through prior arrangement, this benefit is available only for enrollment at the institution awarding the assistantship.

V. PROCEDURES

- A. An initial determination of in-state status will be made at the time of admission. The determination made at that time, and any determination made thereafter, shall prevail for each semester/term until the determination is successfully challenged in a timely manner.
- B. A change in status must be requested by submitting a USM institution's "Petition for Change in Classification for Tuition". A student applying for a change to in-state status must furnish all evidence that the student wishes the USM institution to consider at the time the petition is due. The due date is based on the deadline set forth by the USM institution at which the student seeks to enroll. If the applicable USM institution has no such deadline, the due date is the last published date to register for the forthcoming semester/term for which the change in classification is sought.
- C. The student shall notify the USM institution in writing within fifteen (15) days of any change in circumstances which may alter in-state status.
- D. In the event incomplete, false, or misleading information is presented, the USM institution may, at its discretion, revoke in-state status and take disciplinary action provided for by the institution's policy. Such action may include suspension or expulsion. If in-state status is gained due to false or misleading information, the institution reserves the right to retroactively assess all out-of-state charges for each semester/term affected.
- E. Each USM institution shall develop and publish additional procedures to implement this Policy. Procedures shall provide that on request the institution President or designee has the authority to waive any requirement set forth in Section II if it is determined that the application of the requirements creates an unjust result. These procedures shall be filed with the Office of the Chancellor.

VI. DEFINITIONS

- A. Financially Dependent: For the purposes of this policy, a financially dependent student is one who is claimed as a dependent for tax purposes.
- B. Parent: A parent may be a natural parent, or, if established by a court order recognized under the law of the State of Maryland, an adoptive parent.
- C. Guardian: A guardian is a person so appointed by a court order recognized under the law of the State of Maryland.
- D. Spouse: A spouse is a partner in a legally contracted marriage.

- E. Child: A child is a natural child or a child legally adopted pursuant to a court order recognized under the law of Maryland.
- F. Regular Employee: A regular employee is a person employed by USM or a USM institution who is assigned to a State budget line or who is otherwise eligible to enroll in a State retirement system. Examples of categories NOT considered regular employees are graduate students, contingent employees, and independent contractors.
- G. Continuous Enrollment:
 - 1. Undergraduate Student - An undergraduate student who is enrolled at a USM institution for consecutive fall and spring semesters, until completion of the student's current degree program or unless on an approved leave of absence or participating in an approved program off-campus.
 - 2. Graduate and Professional - Continuous enrollment for a graduate or professional student is defined by the institution in accordance with program requirement.

VI. IMPLEMENTATION

This policy as amended by the Board of Regents on February 15, 2008 shall be applied to all student tuition classification decisions made on or after this date.

¹ Annotated Code of Maryland, Education Article, §12-101.

Candidates for Degrees at Other Institutions

Students who are candidates for a graduate degree at another college or university may take graduate courses at Bowie State University. At least two weeks prior to registration, such a student must present a letter from the graduate dean of the home institution indicating that the student is in good standing and that the credit earned at Bowie State University is acceptable towards the student's degree. The student must complete Bowie State University's *Graduate Non-Degree Application* or register using the Inter-Institutional registration process.

Graduate Work by Bowie State University Seniors

Seniors at Bowie State University may register for graduate level courses if the following requirements/conditions are met:

1. The graduate courses are in excess of the credits required for the bachelor's degree.
2. The English Proficiency Examination has been successfully completed.
3. Permission has been secured from the student's advisor and the Graduate Dean.
4. The *Graduate Application for Admission* has been filed.

Seniors will only be permitted to take up to six (6) credits of graduate coursework. ***Permission to take courses as a senior does not constitute regular admission to the Graduate School.***

Procedure:

- I. Obtain a Senior Graduate Course Permission form from the Graduate School and complete the form along with the appropriate signatures.
- II. Submit the Senior Graduate Course Permission form along with the Graduate Application form to the Office of Graduate Admissions.
- III. Graduate Admissions will inform the student if they are admitted a specific graduate program.
- IV. The Graduate School will monitor the enrollment of the student in graduate level courses.

Transfer Credits

Graduate credits from other institutions are transferable under the following conditions:

1. Courses accepted for transfer must have been earned at a college or university that is accredited by a regional accrediting body authorized by the U.S. Department of Education.
2. Courses for transfer have to be designated as graduate level courses by the institution at which it was taken. Courses offered as a workshop or as continuing education at other institutions and are not designated as a graduate level course are not acceptable for transfer.
3. Twelve credits may be transferred into Master of Education programs, Counseling Psychology programs (Eclectic and Adlerian), and Human Resource Development. No more than six credits may be transferred into all other programs.
4. The courses for which transfer is sought must have been completed with a grade of "B" or better and must be relevant to courses and degree requirements offered in the degree program to be pursued by the student. A course accepted for transfer credit can only be viable for use to satisfy program requirements seven years from the date of completion. The seven years will include the date on which the masters degree program in which the student enrolls at Bowie will be completed. The decision on the transferability of a course is made by a representative of the graduate degree program.
5. Transfer of credits into a degree program may not be used to offset required practicum or seminar courses.
6. Credits used to satisfy the requirements for one master's degree may not be used for satisfying the requirements of another master's degree.
7. Credits are not to be used for two degrees at either the graduate or undergraduate level.

Procedure:

- I. Submit the following to the graduate advisor
 - a. Copy of the course description of course to be transferred into Bowie State University
 - b. Official copy of transcript from institution at which the course was taken reflecting the final grade earned in the course.
- II. The student's advisor will review the course description to determine if it will satisfy requirements of the degree program and falls within the number of credits allowed for transfer.
- III. The advisor will include the course on the student's Program of Study if the determination is made at the time the student is starting the program. If a Program of Study has been completed and accepted by the Graduate School then a Change of Program form will be used to accept and reflect the transfer course.
- IV. To accept a course for transfer taken after a student has begun the degree program, the student must get prior approval from the advisor using the Request Permission to Take a Course at Another College/University form.
- V. The completed forms must be submitted to the Graduate School for approval.
- VI. The approved forms will be submitted to the Office of the Registrar for placement in the students file.

Taking Courses at Another Institution

Students admitted to a graduate program who wish to pursue a course(s) at another college or university and apply the credit towards a graduate degree at Bowie State University must:

1. Complete a Request For Permission to Pursue a Course at Another College/University form and attach a copy of the course description from the other institution.
2. Obtain the Advisor's approval and signature on the Request Form.

3. Submit the request form to the Graduate Dean for approval.

The approved request form will serve in place of a *Change of Program* form.

Procedure:

- I. A student will obtain a copy of the Request Permission to Take a Course at Another Institution form. The form is available on the Graduate School website or in the Graduate School.
- II. The student will complete the form and submit to his/her advisor with a copy of the description of the course from the institution at which the course is to be taken.
- III. The form signed by the advisor will be forwarded to the Graduate School for signature by the Assistant of the Provost for Graduate Studies
- IV. The approved and signed form will be sent to the Office of the Registrar with copies sent to the student, the advisor and the Graduate School.

Admission of International Students

Admission to the Graduate School may be granted to international students whose academic and personal qualifications promote success in a graduate program of study. Applicants must hold the equivalent of a four-year U.S. bachelor's degree and a grade point average equivalent to a 2.5 or better on a 4.0 scale. International students are expected to read, speak, understand and write English fluently. Applicants whose native language is not English must submit results of the Test of English as a Foreign Language (TOEFL) with a minimum score of 550 (213 computer-based), and Test of Written English (TWE) with a minimum score of 4.0. Students who have completed two (2) full academic years of study at an accredited U.S. higher education institution with a minimum of 18 credits completed with a grade of B or higher may have the TOEFL requirement waived.

The following items must be submitted to the Graduate Admission Office:

1. Applicants are required to submit an Application for Admission, along with a non-refundable application fee. The University is able to accept only U.S. currency.
2. An official copy of the undergraduate transcript indicating type of degree (BA or BS) and a notarized translation of this transcript if it is not in English. The Graduate School requires an applicant to submit the transcript to an official evaluation center at the applicant's expense for a course by course review. The University will provide the names and contact information of evaluation services.
3. A notarized statement (Affidavit of Support) indicating the sponsor's willingness and ability to provide full financial support for the student. The I-20 AB will indicate the estimated annual educational expenses. The estimated annual cost of education will be established each year and will be available in the Office of Admissions.
4. A statement from the sponsor's bank indicating current balance sufficient enough to carry out sponsorship for one academic year. Students also may sponsor themselves by submitting their personal bank statement indicating sufficient funding, and also a letter to the University indicating the self-sponsorship. Affidavits of support as well as bank statement may not be older than six months.
5. All international student applicants must present an official record of the Test of English as a Foreign Language (TOEFL).

Non-native speakers of English will be required to meet with a graduate school advisor prior to enrolling in any graduate courses.

After receipt of the required documents and after clearance by the International Student Advisor, the

Graduate School will make an admission decision. If accepted to the Graduate School, a SEVIS (Student and Exchange Visitor Information System) I-20 (*Certificate of Eligibility for Non-Immigrant F-1 Status*) will be issued. A student visa may be obtained by presenting a payment receipt for the SEVIS I-20, along with the SEVIS I-20 and documentary evidence of financial support to the U.S. embassy in the student's home country. Information concerning the SEVIS I-20 fee can be found at www.fmjfee.com. Please note that F-1 students must attend school full-time. Registration for nine (9) credit hours is considered full-time enrollment at the graduate level.

F-1 students are not eligible for state or federal financial support, including scholarships, grants, and fellowships. The applicants must rely fully on private sponsors (family, friends, etc.) or on personal sources of income.

To ensure adequate time for admission review, applicants inside the U.S. must apply four months before the application deadline. Applicants outside the U.S. must apply 10 months prior to the date of entry to allow time for the exchange of correspondence, evaluation of all necessary documents and the settling of financial, immigration and housing matters.

Applicants may contact the International Student Advisor (301) 860-3830 or Graduate Admissions (301) 860-3448 for information concerning graduate admission to Bowie State University.

Certificate Program Application

Students in an approved certificate program must complete a *Request for a Certificate Application* upon completion of the requirements for a certificate in the following certificate programs:

- Applied and Computational Mathematics
- Computer Science
- Family Counseling
- Human Services
- Information Systems Analyst
- Organizational Communications
- Public Management
- Psychotherapy
- School Psychology

An application may be obtained from the Office of the Registrar and the completed form should be returned there. Certificates will be awarded upon completion of the required courses with a cumulative grade point average of 3.0 or better and issued at the end of the semester.

Procedure:

- I. Students will complete the courses specified in the Graduate Catalog for a certificate program.
- II. Once courses have been completed the student will obtain from the Office of the Registrar a copy of the Certificate application form.
- III. The student will complete the form and submit it to the Office of the Registrar for processing.
- IV. Certificates will be printed at the end of each semester.

Registration

Students admitted to the Graduate School will be permitted to register for classes during the regular registration period. Conditionally admitted students may register through the Office of Graduate Admissions for a maximum of nine (9) credit hours of graduate study. Upon attainment of nine (9) credit

hours with a cumulative grade point average of 3.0 or better, the conditional admissions may be removed and regular admission granted.

Continuous Enrollment

Should there be a lapse of two academic semesters, excluding summer school or the mini-semester, during which graduate courses are not taken, the student must file a *Readmission Application*. Readmit applications may be secured from the Bowie State University website or the Office of the Graduate Admissions and should be submitted at least two weeks prior to registration. Readmission is only processed at the beginning of the semester. Students returning to school during the second 8-week session must also submit the *Readmission Application* at the beginning of the semester.

Procedure:

- I. Each semester a graduate student is expected to register for graduate coursework. If a student drops out, he/she will have to be re-admitted to the university.
- II. The student will obtain from the Office of Graduate Admissions or the Bowie State University website a Graduate Readmission form and fill out completely.
- III. The readmission form is to be submitted to the Office of Graduate Admissions for processing.
- IV. The Office of Graduate Admissions will inform the student of the results from the processing of the readmission form.
- V. If the student is readmitted he/she may go online and register for courses.

Independent Study Policy

Students who desire a course on an Independent Study basis must secure an *Independent Study Request Form* from the Graduate Office or the Bowie State University website. The completed form must be returned to the Graduate Studies Office. *The student's advisor, the department chairperson, the Independent Study faculty supervisor and the Graduate Dean must sign the Independent Study Request form.* A copy of the form will be placed in the student's permanent file in the Registrar's Office; a copy will be kept on file in the Graduate Studies Office; the faculty advisor will keep a copy and the student will retain a copy.

The requirements for the experience shall be specified in writing. The student must satisfy all requirements normally demanded in a regular semester. Students are limited to a maximum of three (3) credit hours on an independent study basis.

Procedure:

- I. Graduate students will obtain a copy of the Independent Study form from the Graduate School or on the Bowie State University website.
- II. The form is to be completed by the student and the course instructor.
- III. The form is to be signed by the student, the professor and the chair and submitted to the Graduate School for approval.
- IV. The approved Independent Studies course will be entered into PeopleSoft after which the student will be able to register.

Veterans Benefits

Veterans follow the same procedure in paying bills as do other students. The Veterans Administration makes reimbursements after students have registered for courses. Veterans claiming benefits must have

an approved program to be eligible for benefits. Following is a summary of Bowie State University's credits and training time for graduate veterans/dependents:

9 credits	Full time
6-8 credits	3/4 time
3-5 credits	1/2 time
1-2 credits	1/4 time or less

Training time will be adjusted for accelerated sessions (i.e., summer school).

Auditing

Courses may be audited by registering and paying the regular class fee. Auditing students are not required to take examinations or to submit other requirements of the class. Students who register for credit cannot change to audit status and students who register for audit cannot change to credit status.

DEGREE REQUIREMENTS

Graduate Comprehensive/Qualifying Examination

Candidates for a graduate degree must pass a written comprehensive/qualifying examination unless otherwise specified by the degree program. The Graduate Studies Office is responsible for the administration of the Comprehensive Examination.

The Comprehensive Examination may not be taken before the student has completed the minimum graduate credit hours required for the program, including all **prerequisite courses**. Students enrolled in coursework that will result in the completion of the minimum credit hour requirement may, *with the permission of the graduate advisor*, be allowed to take the Comprehensive Examination during the same semester. Students **must** be advanced to candidacy. Master of Education and Counseling students must have successfully completed or must be currently enrolled in *EDUC 706 or ESAS 706 Introduction to Research* before taking the Comprehensive Examination. All students registering for a concluding seminar must have first passed the written Comprehensive Examination.

The Graduate Studies Office will administer the Comprehensive Examination three times each year: the Fall semester, the Spring semester, and the Summer session.

Students are eligible to take the written comprehensive **twice**. In the event that a student fails the examination twice, he/she may take it a third and **final** time after the student has: a) met with his/her advisor to develop a plan to prepare the student for re-taking the exam and b) completed the prescribed plan to the satisfaction of the advisor.

The plan will be submitted to Graduate Studies Office on the *Focused Plan of Study* form once the student and advisor agree to the terms of the plan. A form signed by the advisor will be submitted to Graduate Studies Office once the terms of the plan have been satisfied and the advisor believes the student is prepared to retake the Comprehensive Examination. *Completion of the plan does not guarantee a successful outcome on the retaking of the Comprehensive Examination.* The plan only insures that the program has provided the student with additional assistance in preparing to take the examination. The student's advisor will notify Graduate Studies, in writing, when the student is eligible to re-take the graduate Comprehensive Examination for the third and final time.

Procedure:

- I. Students will register to take the comprehensive/qualifying examination during the registration period for the semester in which they plan to take the examination. Students who do not register will not be permitted to sit for the examination.
- II. The Office of the Registrar will evaluate the records of the students who register to take the Comprehensive Examination to determine eligibility. Students must:
 - a. Have completed 21 credit hours if in the Master of Education in Elementary Education program; 30 credit hours if in a Counseling programs; and 24 credit hours for all other degree programs,
 - b. Have been advanced to candidacy,
 - c. Have resolved all Incompletes given in classes taken (exception: thesis advisement or research continuation courses),
 - d. Have completed all pre-requisites required by the program,
 - e. Have completed Introduction to Research (College of Education students), and
 - f. Have no failing grades from courses on the Program of Study.
- III. Students will be informed of their eligibility by the Office of the Registrar.

- IV. Students are encouraged to attend the Comprehensive Examination orientation session held on the 2nd Tuesday of September or February at 4:00 pm. (locations to be announced)
- V. The Comprehensive Examinations are held in October, March and June on the first and second Saturdays. (Dates will change if a conflict occurs with a major university event which may disrupt the administration of the examination)
- VI. Students will report to the examination locations by 9:30 am on the day of the examination with picture identification.
- VII. The Comprehensive Examination is written in pen.
- VIII. The examination is 3 hours in length starting at 10 am and ending at 1 pm.
- IX. The results of the examination will be entered onto the transcript. An unofficial courtesy letter will be mailed to the student with the examination results.

Research

A. Thesis and Research Paper

All candidates for the master's degree are required to present a research paper/project. Students should consult with their advisors for specific details.

If the research involves human subjects, the *Institution Review Board's* (IRB) policies must be followed. The student should consult the Graduate Student Handbook for specific policies, procedures, and guidelines.

Students in certain programs who choose to write a thesis will elect the Plan II program of study. An oral examination by faculty members will be conducted on each thesis. The student will register for six hours of thesis.

A review committee will select outstanding thesis abstracts for consideration for the ERIC system each semester. A file of abstracts of thesis will be maintained.

B. Institutional Review Board

The Institutional Review Board (IRB) whose Board members are full-time faculty drawn from the four academic schools at Bowie State University review applications from anyone (i.e., students, faculty, researchers) requesting permission to conduct research involving human subjects for compliance with the University guidelines and Federal regulations regarding the protection of human subjects – Title 45 Code of Federal Regulations Part 46.

Research proposals from campus-based individuals or groups submitting proposals for external funding or campus-based individuals or groups conducting research off-campus **must** be submitted to the IRB for review and approval before research can be initiated.

No research can go forward at Bowie State University without the approval of IRB. **Completed research projects that have been conducted without the approval of the IRB will not be approved.** The proposal **must be submitted to the IRB** with all the requisite attachments before a research project can be reviewed, approved and undertaken:

- A statement of project approval from the department in which the research is being conducted (students only)
- A signed memo of approval/support from student's advisor

- One original copy of the proposed consent form
- One original or typed copy of the IRB Proposed submission form
- A detailed and complete research instrument (survey) proposed to be used in the study
- Research abstract, statement of problem, purpose of study, need for the study, research design-describing the entire study population, sample and study procedure and techniques, limitation of study, significance of study, theoretical framework, variable definition, scope of study and all the relevant information that describes your first two chapters including your references.
- If research is classified **EXEMPT**, you must submit all the identified documents above and also check Exempt on category #4 of the proposed submission form.

The process for submitting applications to IRB for approval:

1. All research proposals (protocols) which include the statement of project approval, approval/support memo from student advisor, proposed consent form, research abstract, statement of problem, purpose of study, need for the study, research design describing the entire study population, sample and study procedure and techniques, limitation of study, significance of study and all relevant information that describes chapter one of your study should be submitted to:

Dr. Cosmas U. Nwokeafor
 Graduate Dean and Chair IRB
 Center for Business and Graduate Studies
 Suite 1312
 1400 Jericho Park Road
 Bowie, MD 20715

301-860-3406 (office) 301-860-3414 (fax)
cnwokeafor@bowiestate.edu

2. After an initial review by the chair, submitted proposals (protocols) that are not exempt (i.e., proposal involving human subjects) must be forwarded to sub-Board members by the chair for review. The review process will take approximately four weeks for a proposal involving human subjects to be completed and feedback sent to the individual/group applying for approval.
3. Approved proposals will receive feedback from the chair to that effect. However, unapproved proposal will also receive feedback with specific indications as to why the proposal was disapproved.
4. An unapproved proposal can be resubmitted for approval if changes identified by the Board are made.
5. The approval of a proposal remains valid for one year after which a resubmission must be submitted to the IRB in order to conduct or continue the research.
6. Any changes made to an approved proposal require the researcher to submit the revised and updated proposal for approval again before research can be conducted.

7. An EXEMPT proposal which means a research proposal that does not involve human subjects is exempt from further IRB review. However, such research must be submitted to the chair for his review, documentation for record purposes and feedback for approval sent to the individual/group within two weeks from the date of submission.

C. Incomplete Research Paper or Thesis

Students who do not complete the research paper or thesis in the seminar course must register for Research Advisement (one graduate credit hour) in order to receive faculty assistance in the completion of the paper or thesis. The student has two semesters to remove the Incomplete in Seminar.

D. Doctoral Dissertation Guidelines and Processes

The dissertation is required of all students working towards completing a doctoral degree. Students will observe and follow the policies in the Dissertation Handbook. Upon completion of the dissertation, students will follow the procedures to have the document bound and for its submission to the UMI

The doctoral dissertation process starts in the department in which a student will work with his/her dissertation advisor and four members of the dissertation committee. One member will be an external examiner from another institution with expertise in the area in which the student is obtaining his/her degree.

a. External Examiner

An external examiner must be an assistant, associate or full professor in the teaching or research area of the student's discipline who is very knowledgeable in the area of the student's research. An external examiner must have published in a referred journal or conference publications. An external examiner must submit his/her credentials as documented on a curriculum vitae to the Graduate School for review and approval.

b. Dissertation Examining Committee

The dissertation committee, therefore, will be comprised of the following:

1. dissertation advisor
2. dissertation committee chairperson
3. three other committee members
4. an external examiner

The dissertation committee members are responsible for guiding the student through the writing period of the dissertation which will include the rewrites and changes that are synonymous with any dissertation writing process. The committee under the guidance of the dissertation advisor must make sure that the student's dissertation meets the graduate standard before submission for defense approval to the Graduate Studies office.

c. Graduate Studies Standard

Graduate Studies Dissertation Standard includes the following:

1. Approval of the Institutional Review Board

2. Completion of the requisite research and data analysis
3. Review of the appropriate literature which is of sufficient breadth and depth that it meets the level of scholarship for doctoral studies
4. Follows the American Psychological Association (APA) style format
5. Citing sources used in the study
6. Maintaining a consistent type-face of document and charts
7. Avoiding plagiarism
8. Complete spell-check
9. Reference pages consistent with APA style

d. Dissertation Defense (Oral Examination)

All dissertation defenses (oral examination) dates will be announced by the Graduate Dean. The defense of all dissertations must take place in the Graduate Studies Conference room located in the Center for Business and Graduate Studies. Food and beverages will not be permitted in the Conference room during the dissertation defense. (Bottled water will be permitted).

The scheduling of any dissertation defense is the responsibility of the Graduate School.

e. Procedures for Dissertation Defense (Oral Examination)

1. Attendance

- Attendance at the dissertation defense is limited to the following:
 - i. Members of the dissertation examining committee
 - ii. The candidate
 - iii. Members of the academic community, and
 - iv. Family and friends

For more details, see the Dissertation Handbook

2. Vote of the Examination Committee

- The outcome of the dissertation defense (oral examination) is decided by an open vote of the dissertation examining committee in the absence of the candidate. The decision of the committee (pass or fail) is determined by a majority of those present and voting.

3. Graduate Studies Representative

- The Graduate School will have a representative at the dissertation defense. The representative will be selected by the Graduate Dean. The representative will be responsible for observing the defense process and insuring that the procedures are preserved and followed. The representative does not have any voting rights with regard to the student's performance on the defense. The representative may ask questions where necessary, but does not have any signature authority on the examination documents.

4. Dean's Representative

- The Dean of the school in which the doctoral program resides may send a representative to observe the dissertation process. The Dean's representative will not participate in the proceedings.

5. Defense Approval Deadline

- All doctoral defense approvals must be completed by the second week in March. Any defense approval request submitted after the deadline will not be reviewed for approval for May graduation. All doctoral defenses must be completed by the second week of April. Any defense that failed to meet the deadlines will not be included in the list for May graduation.

6. Dissertation Binding

- The cost to bind three copies of the approved and defended dissertation is one hundred and twenty (\$120.00) dollars. Each student will pay the cost for binding three dissertations to the Office of Student Accounts with the *Dissertation/Thesis Binding Request* form. The form, a copy of the receipt and three copies of the Dissertation or Thesis printed on 25% bond paper will be turned into the Graduate School. Students will be contacted to pick up a copy of their bound dissertation once completed.

Note: **For more details on the dissertation process, see the Dissertation Handbook.**

FINANCIAL INFORMATION

Fees

A list of fees and charges established by action of the Board of Regents of the University System of Maryland is published on the official Bowie State website each semester. All fees and tuition are subject to change.

Errors in Billing

The University retroactively bills when coding errors are identified. The student is responsible for all costs incurred while attending Bowie State University.

Graduation

A graduation fee is charged. The fee covers the cost of the diploma, administrative processing, and graduation activities. All students must apply for graduate in order to be processed. Students who do not intend to participate in the Commencement ceremony must apply for graduation. The deadline for filing the *Application for Graduation* is published in the student information system (PeopleSoft) and on the official Bowie State University website. The graduation fee must be paid when the application is submitted. If a student does not graduate as planned, the application for graduation must be filed again without an additional charge. Graduate academic regalia and invitations are separate purchases.

Procedure:

- I. The date for applying for graduation is published in the University Calendar at the beginning of the school year.
- II. Application for graduation is located online.
- III. The student will log into their PeopleSoft account and apply for the appropriate graduation (i.e., Spring, Fall, Summer) by the stated deadline.
- IV. The student will pay the graduation fee by the stated deadline.

Transcript

A student is permitted to obtain transcripts without charge. Transcript requests should be made in writing at least two weeks in advance of the date required. These requests should be addressed to: Office of the Registrar, Bowie State University, Bowie, Maryland 20715. The request can be received as a faxed document.

Procedure:

- I. Request for the transcript will be made to the Office of the Registrar.
- II. Obtain a copy of the Transcript Request form from the Office of the Registrar or from the Bowie State University website.
- III. Complete the request form and submit to the Office of the Registrar in person or by fax (301) 860-3438.
- IV. A fee will be required if the request is made during the "While you Wait" service time which is to be paid at the Office of Student Accounts.
- V. If the transcript is ordered and mailed, there is no fee and it will take up to 48 hours.

Financial Obligations

A student is eligible for registration only after all financial obligations to the University have been met. Reports of grades, transcripts, or other statements of record will be withheld should the student be in arrears at the close of any semester.

Withdrawals and Refunds

Students wishing to receive a course refund are responsible for officially withdrawing. Withdrawal procedures begin in the Office of the Registrar. The date the withdrawal is received determines the amount of refund. Students withdrawing from the University after completing registration are not entitled to the refund of any fees.

Refunds for all courses offered whether 16-week, 8-week, weekend or workshop format shall be awarded based upon a schedule established by the Office of Student Accounts for each semester.

Graduate Assistantships

Graduate students are invited to apply for graduate or teaching assistantships through Graduate School. Benefits include tuition remission and a stipend. Students may serve as graduate assistants in 31-42 credit programs for up to two academic years. Students who enroll in programs with more than 42 credits may serve as graduate assistants for up to three academic years. The level of commitment required is 20 hours/week of service to the University, attendance at monthly Graduate Assistantship Program (GAP) meetings, and active membership in the Graduate Student Association (GSA).

To be eligible, the student must:

1. be enrolled in a minimum of nine (9) graduate credits each semester of the assistantship;
2. be enrolled in less than 13 graduate credits per semester;
3. maintain a minimum GPA of 3.0.

Students who serve as graduate or teaching assistants must follow the regulations governing these positions. Graduate assistants who violate or who do not adhere to policies will be released from the graduate or teaching assistantship programs.

Scholarships and Fellowships

Students interested in obtaining information regarding scholarships and fellowships are encouraged to contact the University's Financial Aid Office. Students may also contact the University's Career Services Office for further financial assistance information.

STUDENT SERVICES

Support Services for Students with Disabilities

The Office of Disability Support Services is responsible for advocating on behalf of students with disabilities. Information is available from the Office of Disability Support Services located in the Student Advisement Center.

Housing and Residence Life

On campus housing for graduate students is available. Interested students may obtain housing information from the Office of Housing and Residence Life.

Graduate Student Association

The Graduate Student Association (GSA) invites graduate student involvement in the campus academic community. The GSA acts as an official liaison to communicate graduate student concerns to the Graduate Dean.

Career and Cooperative Education Services

Career and Cooperative Education Services provides programs and services to prepare students for meaningful careers and successful entry into the work place. Cooperative Education opportunities, programs and seminars are provided, allowing students to develop skills and prepare for careers in business, government and education. The programs and services are: career outreach programs and employment fairs; campus recruitment programs; internships; career library; career counseling; graduate/professional school counseling; employment opportunities; and workshops/seminars.

ACADEMIC POLICIES AND PROCEDURES

Standard of Academic Conduct

Bowie State University expects students to maintain high standards of conduct and scholarship. Thus, students are expected to conform to strict standards of academic honesty in all aspects of graduate studies. Students guilty of academic misconduct are subject to severe penalties ranging from failure of the assignment to failure in the course, suspension from the program or the University or, in extreme cases, dismissal from the University.

Policy on Plagiarism

1. Plagiarism is the act of representing another's idea, words, or information as one's own. Every student writing a paper should be aware of the following principles.
 - a. All directly quoted materials must be identified as such by quotation marks. The source(s) of this material must be acknowledged.
 - b. When borrowed ideas or information is not directly quoted by a student, the student should have so assimilated this material that it is indeed being expressed in his/her own words. However, just as in the case of direct quotations, the sources of such borrowed ideas or information must be acknowledged.
 - c. The sources of ideas or information lying well within the realm of common knowledge (i.e. material that would be known by **anyone** familiar with the subject under discussion) need not be acknowledged.
2. Students guilty of plagiarism are subject to severe penalties, ranging from failure for the assignment to failure in the course or, in extreme cases, dismissal from the University. The

instructor shall determine the appropriate sanction to be imposed. If the instructor is unable to determine the appropriate sanction to be imposed or if the student disagrees with the sanction imposed, the instructor may communicate promptly a written charge setting forth the essential facts of the case to the chair of the instructor's department. Students appealing the imposed sanction must follow the due process procedures.

Procedure:

- I. Faculty members are required to deal directly with any academic infractions. Actions taken must reflect the seriousness of the infractions and could range from a verbal warning, administrative withdrawal, an assigned grade of "F" for the course, to dismissal from the University.
- II. In cases where the faculty member feels that the infraction was severe enough to pose a stiffer penalty, the case can be submitted to the dean of the school in which the course is offered for possible academic suspension or dismissal from the University.
- III. Likewise, students may submit a written appeal to the dean disputing alleged infractions.
- IV. In either case, the dean may arrange a hearing with individuals (faculty members from another department and student from the Judicial Board) to evaluate the appeal .

Attendance

Students are expected to attend every session for which the course is scheduled unless otherwise agreed to by professor and student.

Notification of Graduation Status

A status sheet is issued to each degree-seeking student during the semester in which he/she registers for the Comprehensive Examination. The status sheet lists all remaining or outstanding requirements necessary for the completion of the degree.

Time Limitation

Requirements for the master's degree must be completed within a **seven-year period**, (five years for the M.S. in Nursing) as established by the Board of Regents of the University System of Maryland (USM). The scheduled time may be computed by noting the date of admission to the University or by noting the date when credits allowed in transfer were taken, whichever is earlier. The seven-year period is computed on calendar time. An extension will be granted if the School does not offer a required course during the last semester of the student's seven-year period.

Re-entry to a Degree Program after Lapse of Time Limitation

For readmission to a degree program after the seven-year period for completion of the degree has elapsed, the student's records are evaluated and admission may be granted under current university policy and degree requirements. Courses are not necessarily repeated and may be replaced with additional courses approved by the advisor.

Program of Study

Degree and certificate students must follow a program of study approved by the graduate advisor and the Graduate Dean. The program of study should be prepared before the student begins his/her first semester of classes. The student's program of study is to be documented by completing the *Program of Study* form. Courses taken prior to submitting the program of study at other institutions that will serve as transfer courses are included with approval by the graduate advisor. The completed *Program of Study* will be filed in the student's permanent file in the Office of the Registrar.

Procedure:

- I. The new student will meet with the advisor prior to beginning the degree program to establish the requirements for degree completion. The result is the development of the Program of Study.
- II. A Program of Study will be reported on the *Program of Study* form. All requirements to be met by the student, transfer courses and pre-requisites will be detailed on the form.
- III. The form will be signed by the advisor, the student and the Graduate Dean.
- IV. The *Program of Study* form will be submitted to the Office of the Registrar for placement in the student's permanent file.

Change of Program

A student who has a program of study approved by an advisor may deviate from this program only with the written approval of the advisor and the Graduate Dean. A student wishing to alter the program may obtain a *Change of Program* form from the Graduate Studies Office or the Bowie State University website.

Procedure:

- I. The student will meet with the advisor to discuss and make changes to the original Program of Study.
- II. The changes to the Program of Study will be detailed on the *Change of Program* form.
- III. The *Change of Program* form will be signed by the advisor, student and the Graduate Dean.
- IV. The *Change of Program* form will be submitted to the Office of the Registrar for placement in the student's permanent file.

Advancement to Candidacy

Advancement to Candidacy is a major step in fulfilling the requirements for the Master's Degree. Advancement to Candidacy is accomplished by presenting evidence of having an approved program of study, a grade point average of 3.25 and a minimum of 12 semester hours of graduate work. These credits must be taken at Bowie State University and count toward the degree. Should the required 3.25 average not be attained when a maximum of 18 credit hours has been earned, Advancement to Candidacy will be denied. Each graduate program may have additional requirements for Advancement to Candidacy that students are required to complete. Additional requirements will be included in the section of the catalog for each program.

Students must be advanced to candidacy before taking the Comprehensive Examination, Seminar or Practicum (Practicum II for Counseling Psychology students).

Procedure:

- I. A student must apply for Advancement to Candidacy by completing the Request for Advancement to Candidacy form and submitting it to the Office of the Registrar. The form can be filed once the student has taken 12 credits of coursework but must be completed before 18 credits are earned.
- II. The Graduate Records Coordinator will review the student's records to assess academic progress.
- III. If the student has met the requirements for advancement, the student will be advanced and the student information system, PeopleSoft, will be updated to reflect so.

- IV. If the student is not advanced, the Graduate School will correspond with the student to direct him/her to the advisor to develop a plan to follow in order to achieve advancement.

In order to insure adherence to the Advancement to Candidacy policy, a negative service indicator is placed on the graduate student PeopleSoft accounts during the semester in which the student registers for the 18th credit hour. Once the student has been advanced the service indicator is removed and the student may continue to register through to the completion of the degree program.

Procedure:

- I. The student will apply for Advancement to Candidacy.
- II. Once advancement has been granted by the Office of the Registrar, the Graduate School will remove the hold and send the appropriate letter to the students with a copy sent to the program.
- III. Those students who are not eligible for advancement will receive a letter informing them of their status and will be advised to meet with their advisor to develop a strategy for advancement.
- IV. Students will meet with their advisor and document a plan for meeting the requirements for advancement utilizing the Academic Progression Plan Worksheet form. A copy will be sent to the Office of the Registrar for placement in the student's permanent folder.
- V. The hold will be temporarily removed from the student's account in order to allow for registration into classes specified in the plan documented on the Academic Progression Worksheet. The hold will be replaced on the student's records after registration in order to continue monitoring the student's progress.
- VI. If the student successfully achieves advancement in the first semester after the initial hold was placed on his/her account, the hold will be permanently removed. If the student does not achieve advancement, he/she will no longer be allowed to continue at Bowie State University.

Exceptions: Because there is a need to show actual registration in order to obtain a visa for re-entry into the United States, the hold will be removed for those international students who intend to travel outside of the country, if it is determined that their progress in their academic program may result in the criteria for advancement.

Course Load

A student who registers for nine (9) graduate semester hours is considered to be a full-time student. Students who register for fewer hours are designated as part-time. A student may pursue up to 12 credit hours in a semester. If a graduate student would like to take more than 12 credit hours approval must be obtained from the Graduate Studies Office. Six credit hours are the maximum number that may be taken in one Summer session.

Standards of Academic Work

In order to remain in good standing, candidates for the Master's Degree must maintain a 3.00 grade point average after being advanced to candidacy. If the cumulative average falls below 3.00, the student will be placed on probation. After completing nine additional hours of work, if the cumulative average returns to the acceptable level of 3.00, the student will be restored to good standing. A student on probation will not be permitted to take the Comprehensive Examination, Seminar, or Practicum. Required courses in which the candidate earns a grade of "F" must be repeated. Students who lack sufficient academic aptitude or who fail to show evidence of serious purpose may be requested by the Graduate Dean to withdraw from their graduate program.

Grading Criteria

A grade of "A" represents superior academic performance:

1. The student demonstrates critical, analytical, and applied understanding of the subject matter in excellent written and oral form.
2. The student regularly contributes substantive knowledge and appropriate discussion to the class experience.

A grade of "B" represents good academic performance:

1. The student demonstrates good understanding of the subject matter in acceptable written and oral form.
2. The student contributes substantive knowledge and appropriate comments to the class experience.

A grade of "C" represents the minimal acceptable academic performance:

1. The student demonstrates interest in concepts of the course and a minimum mastery of subject matter in acceptable written and oral form.
2. The student makes a minimum of substantive contributions to the class experience.

The grade of "D" is not issued; Grade "F" indicates the student has not met the minimum requirements of the course.

A student who withdraws from a course after the tenth week of the semester will receive a grade of "F" unless special permission is granted for withdrawal without penalty. Students taking 8-week courses will receive a grade of "F" after the fifth week of class unless special permission is granted for withdrawal without penalty.

A student may repeat a course to raise a grade of "B", "C" or "F." Only the higher grade received for a course will be counted in the student's cumulative grade point average.

Letter grades are not assigned to students in Practicum, INSS 890-Professional Seminar and PSYC 540-Social Equity. Students who successfully complete the work in these courses receive a grade of "Pass." Students who do not successfully complete the requirements receive a grade of "Fail." A grade of "I" indicates "Incomplete" and is used only in exceptional circumstances. Students who receive a grade of Incomplete (I) have one academic year from the date of the end of the semester in which the course was taken to have the grade changed. If a grade of incomplete (I) is not changed after one year, it converts to an "F".

Students who receive an Incomplete (I) in Seminar must enroll in Research Advisement for one graduate credit hour with the Seminar instructor. The student has two semesters to remove the Incomplete (I) in Seminar.

A student may not be advanced to candidacy, allowed to take the Comprehensive Examination, or graduate until all grades of Incomplete (I) have been removed from courses in the student's degree program.

A final examination is required for all courses, except Seminar and Practicum.

Appeal System

Students desiring to ask for an exception to the requirements a School should address appeals to the Dean of the respective School.

Students appealing a failing grade on the Comprehensive Examination should address the request to the Graduate Dean. Such appeals must be filed within 30 days of the notification letter. Upon receipt of such an appeal, the Graduate Dean will identify a new group of readers from the student's area of concentration to review the examination. Results of the appeal reading shall be final.

Students with grievances concerning other matters, including course grades, should address the appeals to the Graduate Dean, *after* exhausting all remedies available in the originating school. Such appeals must be filed no later than mid-semester following the semester in which the alleged offense occurred.

Dismissal Policy

The following dismissal policy applies to graduate students: A student whose cumulative grade point average (GPA) falls below 3.0 is placed on academic probation; any student on academic probation is permitted to take a maximum of nine (9) credit hours to raise the GPA to 3.0; failure to obtain a 3.0 GPA will result in academic dismissal.

The duration of the dismissal is one (1) semester; the period of dismissal for a graduate nursing student is one (1) year. Courses taken at other institutions during the dismissal period cannot be transferred to Bowie State University. In order to be considered for readmission, the student must petition the Graduate Dean. The seven (7)-year time limitation for degree completion shall include the period of dismissal. A student dismissed for academic dishonesty may not reapply.

Policy For Testing Out of Courses

Students are allowed to test out of a maximum of two courses. The procedure for doing so is as follows:

1. The student must write a letter to the Graduate Dean requesting permission to take the course(s) by examination including course title and number.
2. The Graduate Dean will appoint a committee composed of a minimum of two (2) faculty members to coordinate and administer the examination.
3. The student will meet with the faculty committee. The committee will inform the student of the topics to be included in the examination and establish an examination date.
4. The student will register and pay for the course(s) for which he/she is seeking examination credit.
5. The examination may be written, oral and/or a demonstration before the committee.
6. The committee will evaluate the student's performance and assign a grade for the course to the student. The committee will enter the student's grade on the final grade roster.
7. If the student fails the examination, an "F" will be recorded.

Advisement

Candidates for a graduate degree should pay particular attention to the proper sequencing of courses. A quality degree program is not an accumulation of credit hours, but is a carefully developed sequence of educational activities and experiences designed to help the student achieve the specified objectives of the program. Thus, it is extremely important to properly sequence the program. Introductory courses and electives should be taken prior to the advanced courses. Some courses require prerequisites that are necessary in order for students to perform satisfactorily in the specified courses.

It is important to secure a faculty advisor and plan the program immediately **after** initial enrollment. This procedure will insure maximum flexibility in arriving at educational goals and possibly preclude loss of credits. Each graduate program assigns advisors. For assignment of an advisor, contact the appropriate graduate program office.

Steps in Completing Degree Requirements

1. Meet with a graduate advisor to establish an approved program of study.
2. Qualify for Advancement to Candidacy (12-18 credit hours completed in approved program of study with G.P.A. of 3.25 or better).
3. Apply for Advancement to Candidacy.
4. Register for the Comprehensive Examination.
5. Complete the written Comprehensive Examination satisfactorily. Students must successfully complete the Comprehensive Examination prior to enrollment in the concluding seminar. Students in the Computer Science program have the option to complete a thesis or project.
6. Prepare a research/seminar paper (or a thesis) according to subject area specifications and satisfactorily complete an oral examination on the thesis, if applicable.
7. Complete the required number of course hours as outlined in the program of study with a minimum grade point average of 3.0. Show written approval of advisor and the Dean for any change in program.
8. Submit Application for Graduation at the beginning of the Fall semester of the academic year in which you plan to graduate.
9. Attend graduation ceremony for the conferring of the degree.

COLLEGE OF ARTS AND SCIENCES

Dr. George Acquah, Dean

The College of Arts and Sciences offers graduate programs leading to the Master of Arts degrees in the areas of organizational communications, and English and the Master of Science degrees in computer science and applied and computational mathematics. The College of Arts and Sciences includes the departments of Communications, Computer Science, English and Modern Languages, Fine and Performing Arts, History and Government, Mathematics, and Natural Sciences.

<p>DEPARTMENT OF COMMUNICATIONS Acting Chair: Otis Thomas</p>
<p>DEGREE OFFERED Master of Arts in Organizational Communications</p>

Graduate Program Coordinator:
Dr. Pamela O'Brien
Room 0264, Martin Luther King Building

The Master of Arts in Organizational Communications prepares students for responsible leadership positions in public, private and non-profit organizations. In addition, it prepares students for doctoral studies in human communications. This program is an innovative approach to meeting the challenge of a changing environment. The program contains several unique features, including the following:

- a lockstep format designed to provide a foundation in managerial and analytical techniques
- access to the Internet, electronic mail, and several computer laboratories for course related activities
- access to cable television program production
- a problem-solving environment providing real organizational problems in which to apply communications theories

Admission to the Program

Applicants must hold a bachelor's degree from a regionally accredited institution and have a cumulative grade point average of 2.5 or better (on a 4.0 point scale). Interested persons should complete an *Application for Admission* to the Graduate School, pay the *application fee* and submit an official copy of the *undergraduate transcript*.

Program Objectives

The program makes provision for the student to acquire skills in:

- effective presentations
- effective interpersonal communications
- group and organizational communications
- performing communications audits
- organizational development
- telecommunications policy crafting and knowledge of major issues in international communications debates
- desktop publishing
- Internet-based research
- new telecommunications technology
- issue and crisis management
- applied communications research
- mediation and conflict management
- planning and implementing communications campaigns.

Graduates from this program are prepared for careers in public policy, public relations, public affairs, telecommunications, communications management, communications consultancy, organizational

development, organizational publications, research and other fields needed by a wide range of organizations. Furthermore, the program also prepares graduates for doctoral degree study in human communications and related fields of study.

Concentrations

Telecommunications Policy
Public Affairs Communications

The master's program is a 12-course degree program equaling 36 credit hours. Core courses (15 credit hours) are required of all students. The development of expertise in a specific concentration is possible by choosing additional non-core courses (15 credit hours) from the program and six credit hours of courses from other graduate level offerings outside the program.

Program Requirements

Core Courses

ORGC 502	Communications Theory and Research
ORGC 631	Organizational Communications
ORGC 522	Corporate Telecommunications
ORGC 738	Applied Research Design
ORGC 815	Thesis

Non-core Courses

ORGC 606	Seminar in Domestic Telecommunications Policy
ORGC 608	Telecommunications and National Development
ORGC 810	Practicum in Telecommunications Policy
ORGC 627	Mediation and Conflict Resolution
ORGC 630	Corporate Advertising
ORGC 634	Public Relations Communications
ORGC 735	Organizational Publications
ORGC 636	International Telecommunications and Information
ORGC 816	Thesis Advisement

Organizational Communications Specialist Certificate Program

The prerequisites for the certificate program are the same as the prerequisites for the master's program. The purpose of the certificate program is to provide continued professional development for communications practitioners. The requirements for the certificate are 12 credit hours. These hours must include ORGC 631 (Organizational Communications) and ORGC 735 (Organizational Publications) .

DEPARTMENT OF COMPUTER SCIENCE Chair: Dr. Sadanand Srivastava
DEGREE OFFERED Master of Science in Computer Science

Graduate Program Coordinator:
 Dr. Joan Langdon
 Room 221, Computer Science Building

The Master of Science in Computer Science program emphasizes fundamental computer science concepts and their applications, sciences and engineering. This program provides the professional retraining of secondary teachers, computer scientists and other citizens desirous of a graduate degree in computer science.

Admission to the Program

Applicants must hold a bachelor's degree from a regionally accredited institution and have a cumulative grade point average of 2.5 or better (on a 4.0 point scale). In addition to meeting the general admission requirements of the Graduate School, applicants to the computer science program must fulfill departmental criteria. The Computer Science Graduate Admissions Committee considers applicants on an individual basis. An applicant who fulfills the following requirements may be granted unconditional admission to the program: a baccalaureate degree from an accredited institution and completion of the following courses in mathematics and computer science: Calculus of One Variable (i.e. Calculus I and II), one additional mathematics course beyond Calculus, (e.g. Linear Algebra, Differential Equations, Abstract Algebra, Advanced Calculus, Discrete Structures), and COSC 404 - Software Design and Development (or equivalent).

Applicants who do not have the required mathematics and/or computer science background may be granted provisional admission, subject to completion of these requirements within the first four semesters. Completion of these requirements will not be a part of the applicant's graduate program. An applicant who does not have a required computer science course (COSC 404) but has gained the knowledge of its contents through work experience or self-study may request a waiver, provided the student takes and passes a departmental examination for that course. For more details, the student should consult with his/her advisor upon admission to the program.

Program Requirements

The requirements for the master's degree in computer science are as follows:

1. A minimum of 36 credit hours as described below, with an overall grade point average of 3.00 or better. The coursework must include:

Core Courses (15 credits):

COSC 502, COSC 504, COSC 514, COSC 522 and COSC 528

and one of the following two options:

Option I: COSC 698 (3 credits) Applied Research in Computer Science and five (5) elective courses (18 credits).

or

Option II: COSC 696 and COSC 697 (6 credits) Graduate (Master's) Thesis and four (4) elective courses (18 credits).

2. 2. A minimum of 30 credits, excluding prerequisite courses, must be completed at Bowie State University. Therefore, no more than six (6) graduate computer science credits may be transferred from other institutions.
3. 3. A student must complete all degree requirements within a period of seven (7) consecutive years.
4. Students with a strong undergraduate computer science background are encouraged to substitute required courses with more advanced electives. Written permission of a graduate advisor is required. Also, each student is required to develop a program of study plan in consultation with his/her advisor. A total of 36 credits are needed to graduate.

Core Course Requirements

COSC	502	Computer Organization
COSC	503	Software Design and Development I
COSC	504	Data and Information Structures
COSC	514	Operating Systems I
COSC	522	Discrete Structures
COSC	528	Design and Analysis of Algorithms

At least one one-year course sequence from the following

COSC	514, 614	Operating Systems I, II
COSC	523, 623	Logic, Computability and Automata I, II
COSC	531, 631	Database and Information Systems I, II
COSC	561, 661	Compiler Design and Construction I, II
COSC	573, 673	Artificial Intelligence I, II
COSC	518, 618	Computer Graphics I, II
COSC	541, 641	Numerical Analysis I, II
COSC	585, 685	Communication Networks I, II

Approved Electives in Computer Science

COSC	404	Software Design and Development*
COSC	502	Computer Organization
COSC	504	Data and Information Structures
COSC	514	Operating Systems I
COSC	516	Computer Architecture
COSC	518	Computer Graphics I
COSC	522	Discrete Structures
COSC	523	Logic, Computability, and Automata I
COSC	528	Design and Analysis of Algorithms
COSC	531	Database and Information Systems I
COSC	541	Numerical Analysis I
COSC	551	Formal Methods in Programming Languages
COSC	561	Compiler Design and Construction I
COSC	573	Artificial Intelligence I
COSC	575	Object Oriented Programming and Design Paradigm
COSC	585	Computer Communication Networks I

COSC	590	Selected Topics in Computer Science
COSC	591	Selected Topics in Computer Science
COSC	592	Selected Topics in Computer Science
COSC	614	Operating Systems II
COSC	615	Performance Evaluation
COSC	618	Computer Graphics II
COSC	623	Logic, Computability and Automata II
COSC	631	Database and Information Systems II
COSC	635	Information Privacy and Security
COSC	641	Numerical Analysis II
COSC	661	Compiler Design and Construction II
COSC	673	Artificial Intelligence II
COSC	675	Applied Combinatorics and Graph Theory
COSC	676	Queueing Theory in Computer Science
COSC	678	Modeling and Simulation
COSC	685	Computer Communication Networks II
COSC	687	Distributed Computer Systems
COSC	690	Advanced Topics in Computer Science
COSC	691	Advanced Topics in Computer Science
COSC	692	Advanced Topics in Computer Science
COSC	696	Master's Thesis in Computer Science I
COSC	697	Master's Thesis in Computer Science II
COSC	698	Applied Research in Computer Science

*This course is a prerequisite to the Master of Science program in computer science. Credits obtained from these courses cannot be counted as part of a student's graduate program of study.

Students are urged to keep in touch with the Computer Science Department for the most up-to-date information about course offerings as well as other announcements about the program.

Computer Science Certificate Program

The Certificate Program in Computer Science is a post-baccalaureate program designed to strengthen the expertise of professionals in key computer science areas. Graduates of the program will be better able to contribute to the increasingly technological work environment of the local economy. Students acquire direct experience with state-of-the-art hardware and software. Classes meet in the evening, and a student may take up to five years to complete requirements.

The Certificate Program in Computer Science is especially valuable to individuals already in the workforce who seek to advance or redefine their careers. Students may enter it to update a particular area, to explore a new career direction, or to try out post-baccalaureate study in preparation for eventual enrollment in a graduate degree program.

The certificate is earned by completing 12 credits in any track, with at least a 3.0 average. The possible tracks are given below.

Admission to the Certificate Programs

1. A baccalaureate degree from an accredited institution and completion of the following courses in mathematics and computer science: Calculus of One Variable (i.e. Calculus I and II), one additional mathematics course beyond Calculus, (e.g. Linear Algebra, Differential

- Equations, Abstract Algebra, Advanced Calculus, Discrete Structures), and COSC 404 - Software Design and Development (or equivalent).
2. Applicants who do not have the required mathematics and/or computer science background may be granted provisional admission subject to the completion of these requirements within the first four semesters. Completion of these requirements will not be a part of the applicant's graduate program.
 3. These requirements are identical to the requirements for students seeking to earn the master's degree in computer science. Students admitted to the master's degree program would also be eligible to earn a certificate by taking appropriate courses. Students admitted for the certificate program also would be admitted to the master's degree program; certificate courses count towards the master's degree, and the certificate student could easily switch to the degree option.

Certificate Program Requirements

1. A minimum of 12 credit hours of coursework (four courses, three credits each), together with their prerequisites if any, from the chosen track, with an overall grade point average of 3.00 or better. The student's academic advisor must approve the program.
2. All credits must be completed at Bowie State University.
3. All requirements must be completed within a period of five (5) consecutive years.

Certificates

1. Database Management/Artificial Intelligence

Students are introduced to concepts necessary for designing, implementing and using database systems. Students also are exposed to some advanced concepts, such as intelligent user interfaces and distributed and object-oriented databases.

2. Networks and Distributed Systems

In this track, the students are introduced to general principles of computer communication, network architectures and programming using TCP/IP protocols. Students also study issues relating to distributed computing.

3. Scientific Software Development

This track equips the students with numerical techniques for solving various scientific problems. Students study numerical analysis, queuing theory, and modeling and simulation.

4. Software Engineering

This track prepares students to design software projects and manage software development teams.

5. Graphics and User Interfaces

This track prepares students to create and manipulate digital models and images. Students also investigate graphics rich user interfaces and image processing techniques.

6. Geographical Information Systems and Image Processing

Students are introduced to computer-based systems for storing, retrieving, analyzing and displaying complex spatial data. Students also learn image processing techniques for finding relations between survey maps and images from remote sensing devices, for environmental monitoring and for land use development.

To obtain the certificate, candidates must complete a set of four courses (3 credits each) from the

chosen track (together with their prerequisite courses, if any) and achieve a 3.0 grade point average or better.

Track: *Database Management/Artificial Intelligence*

COSC	531	Database and Information Systems I
COSC	631	Database and Information Systems II
COSC	573	Artificial Intelligence I
COSC	673	Artificial Intelligence II
COSC	635	Information Privacy and Security
COSC	690	Selected Topics

Track: *Networks and Distributed Systems*

COSC	585	Computer Communication Networks I
COSC	685	Computer Communication Networks II
COSC	687	Distributed Computer Systems
COSC	678	Modeling and Simulation
COSC	635	Information Privacy and Security
COSC	691	Selected Topics

Track: *Scientific Software Development*

COSC	541	Numerical Analysis I
COSC	641	Numerical Analysis II
COSC	528	Design and Analysis of Algorithms
COSC	678	Modeling and Simulation
COSC	675	Applied Combinatorics and Graph Theory
COSC	676	Queuing Theory in Computer Science

Track: *Software Engineering*

COSC	565	Software Engineering I
COSC	665	Software Engineering II
COSC	519	User Interfaces and Human Factors
COSC	678	Modeling and Simulation
COSC	635	Information Privacy and Security
COSC	692	Selected Topics

Track: *Graphics and User Interfaces*

COSC	518	Computer Graphics I
COSC	618	Computer Graphics II
COSC	519	User Interfaces and Human Factors
COSC	525	Topics in Multimedia and Internet Computing
COSC	621	Image Processing
COSC	693	Selected Topics

Track: *Geographical Information Systems and Image Processing*

COSC	518	Computer Graphics I
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COSC	520	Introduction to Geographic Information Systems
COSC	530	Remote Sensing
COSC	620	Advanced Geographic Information Systems
COSC	621	Image Processing I
COSC	694	Selected Topics

DEPARTMENT OF COMPUTER SCIENCE Chair: Dr. Sadanand Srivastava
DEGREE OFFERED Doctor of Applied Science in Computer Science

Doctoral Program Coordinator:
 Dr. Manohar Marboyana
 223 Computer Science Building

The Doctor of Applied Science (D.A.S.) program is designed to produce advanced technology professionals that will contribute to the expansion of the State of Maryland's competitiveness in the growing biotechnology and technological security industry. In addition, this program is designed to meet the need of the community college and four-year college faculty to further their career by obtaining a terminal degree in computer science and IT-related disciplines.

This program is designed to provide opportunities to the students to attain advanced knowledge in the area of their choosing such as Internet technologies, distributed computing, computer networks and communication, network security, satellite remote sensing, image processing, environmental bioinformatics and multimedia technologies. The specific objectives are:

1. To prepare students to conduct research and become leaders in computer science/technology,
2. To develop advanced educational skills to meet the demands of high-tech job markets, and
3. To develop student's in-depth knowledge of current computer science and technological research methods, processes, and tools in order to enable them to conduct high quality research and provide expert instruction at the undergraduate and graduate levels.

The D.A.S. in Computer Science will require the study of the design and development of computer software systems, algorithms, network systems, and database systems, to address the real-world problems of business, government and the military. This program will provide graduate level education in computer technologies for those preparing to enter academia or the high-tech skilled workforce and for those planning to enhance their skill level in the chosen area.

Admission to the Program

1. Completion of B.S. degree with minimum of 3.0 Cumulative GPA and background in the following courses of Computer Science
2. Minimum of two letters of recommendation
3. Statement letter indicating educational and professional objectives of the candidate
4. Minimum TOEFL score of 550/230 (where applicable)
5. A satisfactory score on the Graduate Records Examination

Program Requirements

1. Completion of a minimum of 60 graduate-level credit hours from among the list of courses for the doctoral program recommended by the Doctoral Program Committee. For those students who do not have a computer science background, the Doctoral Program Committee may assign additional courses.

2. Completion of an advanced research concentration in one of the three areas:
 - a. Sensor Network Security
 - b. Environmental Bioinformatics
 - c. Satellite Remote Sensory Data Processing
3. Satisfactory completion of written/oral assessment examination.
4. Satisfactory completion of dissertation requirements (12 credits).
5. Satisfactory completion of dissertation defense.

Detailed Requirements (72 credit hours beyond B.S./B.A. degree)

Students are required to earn 15 credits (5 courses) in core computer science topics, 36 credits (12 courses) from four of the knowledge areas, 9 credits (3 courses) from the Advanced Research Topics area and 12 credits from the dissertation area.

A. Computer Science Core Topics (15)

COSC	502	Computer Organization
COSC	504	Software Design and Development II
COSC	514	Operating Systems I
COSC	522	Discrete Structures
COSC	528	Design and Analysis of Algorithms I

B. Knowledge Areas (36 Credits)

1. Computer Systems

COSC	614	Operating Systems II
COSC	635	Information Privacy and Security
COSC	735	Computer and Network Security
COSC	585	Computer Networks I
COSC	685	Computer Networks II
COSC	687	Distributed Computing
COSC	787	High Performance Computing

2. Software Engineering and Programming Languages

COSC	565	Software Engineering I
COSC	665	Software Engineering II
COSC	575	Object Oriented Programming and Design Paradigm
COSC	561	Compiler Design and Construction I
COSC	661	Compiler Design and Construction II
COSC	551	Formal Methods in Programming Languages
COSC	815	Performance Evaluation

3. Database Systems and Artificial Intelligence

COSC	531	Database Design I
COSC	631	Database Design II
COSC	573	Artificial Intelligence I
COSC	673	Artificial Intelligence II
COSC	731	Data Warehousing and Data Mining

4. Multimedia Technology

COSC	518	Computer Graphics I
COSC	618	Compute Graphics II
COSC	720	Multimedia Technology I
COSC	719	Image Processing I
COSC	819	Image Processing II

5. Scientific Computing

COSC	541	Numerical Analysis I
COSC	641	Numerical Analysis II
COSC	771	Numerical Optimization
COSC	523	Logic, Computability, and Automata I
COSC	623	Logic, Computability, and Automata II
COSC	528	Design and Analysis of Algorithms I
COSC	628	Design and Analysis of Algorithms II
COSC	676	Queuing Theory in Computer Science
COSC	678	Modeling and Simulation

C. Advanced Research Concentration Area (requires minimum 9 credits)

COSC 890-899: Selected Topics in Computer Science

COSC	890-892	Sensor Networks/Computer Vision
COSC	893-895	Computer Networks/Network Security
COSC	896- 898	Database/Artificial Intelligence
COSC	898- 899	Advanced Computing Research/Software Engineering

D. Dissertation area (requires 12 credits)

COSC	990- 999	Dissertation
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DEPARTMENT OF ENGLISH AND MODERN LANGUAGES Chair: Dr. Anne Gaskins-Nedd
DEGREE OFFERED Master of Arts in English

Graduate Program Coordinator:
 Dr. David Basena
 Room 0226, Martin Luther King Building

The Master of Arts in English is designed for (1) those individuals who have the traditional bachelor's degree in English and allied fields (i.e., language arts, humanities, etc.) and wish to supplement that degree with training in literary and rhetorical theory and humanities computing, (2) those who now teach on the secondary or collegiate levels and wish to investigate literary and rhetorical theories and practices, and (3) those who wish to pursue doctoral studies upon completion of the master's degree.

The program is distinctive in its emphasis on humanities computing as a research tool and as a system for imparting, accessing and using information. It is further distinctive in its pragmatic approach to the study of literature, language, and rhetoric because some emphasis will be placed upon how the knowledge and skills learned can be used for utilitarian purposes. The program, then, will provide a strong, solid background in rhetorical and literary theories and applications, humanities computing, literature, and language. It, thus, provides graduates the opportunities (1) to develop a solid knowledge base in the discipline by enhancing the knowledge and skills needed to explore literature and language of diverse populations and/or to successfully pursue careers in other fields requiring a strong background in English, (2) to deepen and broaden their knowledge in the discipline, and (3) to strengthen their analytical and research skills.

The course of study for the Master of Arts degree in English requires 36 semester hours, including six (6) semester hours for the thesis. The core curriculum includes 15 semester hours: six (6) semester hours in research methods and humanities computing, six (6) semester hours in rhetorical theories and practices, and three (3) semester hours in literary criticism and theory. The other 15 semester hours of coursework will be composed of courses from which students may select any two seminar courses (6 semester hours); two special topics courses (6 semester hours) with no more than one in American, African American, or British literature; and any other course (3 semester hours) in language, literature, or rhetoric offered in this program. (All courses will be undergirded by the use of humanities computing in the teaching and learning process and in enhancing one's career.) Students at the thesis level will register for the thesis (research) seminar until such time that the thesis is completed.

Admission to the Program

1. Applicants must have a cumulative grade point average of 2.5 or better.
2. Applicants must submit an Application for Admission, pay the appropriate fee, and submit an official copy of their undergraduate transcript.
3. Applicants must hold a bachelor's degree in English from a regionally accredited institution.
4. Applicants who do not hold a bachelor's degree in English must either have the following courses or their equivalents on their transcript or must take these courses prior to taking graduate level courses: Introduction to Literature, American Literature I and II, and British Literature I and II.

Program Objectives

1. To provide an avenue for the student of English to keep abreast of current literary and rhetorical theories and practices.
2. To provide an opportunity for the enhancement of knowledge and skills in the discipline.
3. To provide an opportunity to acquire the knowledge and skills needed to use the new technologies in accessing, analyzing and using information, especially the computer.
4. To provide an opportunity to strengthen students' analytical and research skills, enabling them to successfully pursue any of a variety of careers which require the application of such skills.
5. To provide advanced study and research in English through the study of literary genre, special topics in literature, and cross-genre investigation of themes and literary modes -- with special attention to the development of critical thinking and assessment skills needed not only in the discipline, but also required by both the academic and non-academic workforces, especially the leadership in these workforces.
6. To provide an opportunity for students to gain the knowledge and skills needed to explore the literature and language of diverse populations and to successfully pursue careers in related areas, such as journalism, public relations, writing, etc.
7. To provide an in-service program for teachers of English.

Overview and Curriculum Sequence

1. The student pursues core, elective, and any applicable qualifying courses. (This program presupposes that those students who are pursuing or wish to pursue careers in teaching have already met certification requirements.)
2. Upon completion of 12 semester hours of core and elective courses, the student may advance to candidacy.
3. Upon completion of all course requirements, the student must pass the Departmental Graduate Written Comprehensive Examination.
4. The student completes and defends a thesis.
5. The student is awarded the Master of Arts in English.

Program Requirements

I. Core Courses

ENGL	501	Research Methods and Humanities Computing I
ENGL	502	Research Methods and Humanities Computing II
ENGL	601	Rhetorical Theories and Practices I
ENGL	602	Rhetorical Theories and Practices II
ENGL	737	Literary Criticism and Theory

II. Electives

Select any two of the following special topics courses in consultation with advisor.

ENGL	710	Special Topics in Fiction
ENGL	711	Special Topics in Poetry
ENGL	712	Special Topics in Drama
ENGL	713	Special Topics in Women's Literature
ENGL	714	Special Topics in Ethnic/Multicultural Literature

ENGL 715 Special Topics in Autobiographical Literature

Select two of the following seminar courses in consultation with advisor.

ENGL 733	Seminar in Literature of the Caribbean
ENGL 734	Seminar in Literature of the East
ENGL 755	Seminar in American Literature
ENGL 756	Seminar in British Literature
ENGL 757	Seminar in African-American Literature
ENGL 758	Seminar in African Literature
ENGL 759	Seminar in World Literature

Select any one course from the following language or rhetoric courses in consultation with advisor.

ENGL 760	Advanced Composition
ENGL 761	Rhetoric, Writing, and Assessment
ENGL 763	Special Topics in Linguistics

Exceptional students who are invited may substitute ENGL 600 Practicum in Teaching College Composition for the above requirement.

III. Thesis

ENGL 898	Thesis Design and Preparation I
ENGL 899	Thesis Design and Preparation II

Total **36 Credits**

DEPARTMENT OF MATHEMATICS Chair: Dr. Nelson Petulante
DEGREE OFFERED Master of Arts in Applied and Computational Mathematics

Graduate Program Coordinator:
 Dr. Roman Sznajder
 Room 111D, George M. Crawford Hall

The program of study leading to the Master of Science degree in Applied and Computational Mathematics is designed to launch a career as a mathematical scientist, prepared to engage in the technical work of today's complex computer-driven industries.

A graduate of the program is equipped with a strong foundation of advanced analytical skills, both in applied mathematics and in computer science. These advanced skills, for which there is a growing demand, prepare the student for a technical career of his/her choice in industry, business, education, or government.

The curriculum of the program is oriented toward practical applications. The mathematics component of the curriculum consists of seven courses in applied mathematics, four of which are required and three of which are electives. The computer science component of the curriculum consists of five courses, two of which are required and three of which are electives.

In addition to the 36 credit hours of regular coursework, the master's degree program requires each candidate to pass a Comprehensive Examination based upon the six required core courses.

The program offers a flexible schedule of evening classes.

Admission to the Program

The applicant must meet the general admission requirements established by the Graduate School. To be admitted unconditionally to the graduate program in applied and computational mathematics, the applicant must have completed the following courses in mathematics and computer science:

1. Calculus sequence
2. Differential Equations
3. Linear Algebra
4. Mathematical Probability and Statistics
5. Programming Language C or C++

Promising applicants not possessing the required mathematics or computer science background may be granted conditional admission subject to completion of requirements within the first four semesters. Completion of these requirements is in addition to the regular requirements of the graduate program as outlined below.

Program Requirements

The minimum requirements for the master's degree in applied and computational mathematics are as follows:

1. A minimum of 36 credit hours of coursework, as listed in Required and Elective Courses, with an overall grade point average of 3.00 or better.
2. Of the 36 credits of required coursework, a minimum of 30 credits must be completed at Bowie State University. Therefore, no more than six (6) credits may be transferred from other institutions.
3. All degree requirements must be completed within a period of seven (7) consecutive years.
4. Students must pass the Applied and Computational Mathematics Comprehensive Examination. The examination questions are based upon the six core courses listed in Required and Elective Courses.

Required and Elective Courses

Core Requirements: 18 Credits

MATH 500	Real Analysis
MATH 525	Ordinary Differential Equations
MATH 540	Operations Research I
MATH 544	Applied Statistics
COSC 504	Data and Information Structures
MATH 541	Numerical Analysis I

Completion of the six core courses qualifies for the graduate certificate in applied and computational mathematics. For the Master of Science degree, the student must take an additional three courses (9 credits) in computer science and an additional three courses (9 credits) in Mathematics selected from the following list of electives:

COSC 517	Satellite Operations and Control
COSC 522	Discrete Structures
COSC 528	Design and Analysis of Algorithms I
COSC 573	Artificial Intelligence
COSC 678	Modeling and Simulation
MATH 641	Numerical Analysis II
MATH 530	Introduction to Optimization Theory
MATH 550	Applied Complex Analysis
MATH 560	Mathematical Modeling
MATH 570	Coding Theory and Cryptography
MATH 580	Applied Queuing Theory
MATH 625	Applied Differential Equations
MATH 630	Introduction to Partial Differential Equations
MATH 640	Operations Research II
MATH 690	Selected Topics
MATH 696	Research Project

Applied and Computational Mathematics Certificate Program

The graduate certificate in applied and computational mathematics is awarded to students who successfully complete the six core courses and who pass the Comprehensive Examination.

COLLEGE OF BUSINESS
Dr. Anthony C. Nelson, Dean

The College of Business offers graduate programs leading to the Master of Arts in Management Information Systems, the Master of Business Administration, and the Master of Public Administration. The College of Business includes the Department of Accounting, Finance and Economics, the Department of Information Systems and the Department of Management, Marketing, and Public Administration.

DEGREE OFFERED

Master of Business Administration

Graduate Program Coordinator:

Dr. Falih M. Alsaaty

Room 2326, Center for Business and Graduate Studies

The purpose of the Master of Business Administration (MBA) Program is to prepare students for mid- and high- level managerial positions in private organizations and government agencies, by providing them with skills and practical information essential for their professional development and career advancement. The program offers students an array of nine critical-skills, core courses, and the choice of a concentration study from among five fields: Accounting, Finance, Management, Marketing, and General Concentration, each of which requires the completion of an additional six courses. The program provides participants with an opportunity to interact with faculty members in relatively small group sessions and in an environment characterized by diversity, knowledge, and experience.

In today's competitive environment, globalization, and rapid technological development, individuals of all ages are encouraged to attain the highest level of formal education possible and to enhance the marketability of their skills. The program is open to applicants of all academic background and work experience who meet the basic admission requirements. The objectives of the MBA Program include the following:

1. To provide students with the skills and knowledge essential for competing and succeeding in today's environment.
2. To offer students excellence in teaching, along with a supportive academic environment and rewarding experience.
3. To enable students to utilize state-of-the-art technology.
4. To help students promote their professional development and advancement.
5. To assist students in pursuing career opportunities with new analytical skills and knowledge.

Admission to the Program

Students will submit evidence of a Bachelor's degree from an accredited institution, and a cumulative grade point average of 2.5 or better. GMAT is also required for admission. Students must satisfy the program's prerequisites as described below. Taking undergraduate courses could satisfy prerequisites. Before enrolling in 600 level courses, students must satisfy *all* prerequisites.

1. Principles of Macroeconomics and Microeconomics
2. Principles of Accounting I and II
3. Principles of Finance
4. Principles of Management

5. Business/Economics Statistics
6. A course in computer application, or computer experience
7. Business Law or Legal Environment of Business

Program Requirements

All degree requirements must be completed in a maximum of seven consecutive years. In addition, students must pass a three-hour Comprehensive Examination in a maximum of three attempts. The Examination questions will be based on topics from the core courses.

Core Courses (27 credit hours)

ACCT 611	Accounting for Decision-Making
INSS 630	Information Systems in Organizations
FINA 520	Financial Management
MGMT 683	Production and Operations Management
MGMT 544	Organizational Theory and Behavior
MKTG 538	Marketing Management
MGMT 585	Quantitative Methods for Decision-Making
MGMT 640	Strategic Management
MGMT 652	International Business

Concentration Areas:

Accounting (18 credit hours)

ACCT 510	Financial Accounting
ACCT 616	Managerial Accounting
ACCT 713	International Accounting
ACCT 715	Tax Management
ACCT 718	Advanced Auditing
ACCT 719	Contemporary Issues in Accounting

Finance (18 credit hours)

FINA 621	Advanced Corporate Finance
FINA 622	Financial Institutions
FINA 623	International Finance
FINA 721	Investment Banking and Capital Markets
FINA 722	Securities Analysis and Portfolio Management
FINA 723	Speculative Market

*Intermediate Accounting I and II are also required for this area of concentration.

Management (18 credit hours)

ACCT 616	Managerial Accounting
MGMT 541	Entrepreneurship
MGMT 571	Human Resource Management
MGMT 572	Conflict Management
MGMT 650	International Management
MGMT 649	Seminar in Management

Marketing Management (18 credit hours)

MKTG 533	Promotion Management
MKTG 535	Procurement Management

MKTG 536	Consumer Behavior
MKTG 631	Logistics and Supply Chain Management
MKTG 630	Global Marketing Management
MKTG 637	Marketing Research

General Concentration (18 credit hours)

Students can select six courses from the fields of concentration (Accounting, Finance, Marketing, and Management) with at least one course from each of the four areas. The last two courses can be from any of the concentration(s) the student selects.

DEPARTMENT OF MANAGEMENT, MARKETING, AND PUBLIC ADMINISTRATION Chair: Dr. Marion Harris
DEGREE OFFERED Master of Public Administration

Interim Graduate Program Coordinator:
 Dr. Marion H. Harris
 Room 2323, Center for Business and Graduate Studies

The Department of Management, Marketing and Public Administration is committed to preparing Master of Public Administration (MPA) graduate students to enter the public and nonprofit sectors in leadership and management positions. The program is designed to produce public administrators who are highly skilled as policy analysts, managers, and human resources professionals. Professors work with students to develop and improve their skills in research, analysis, presenting and preparation of written reports. Students are taught to follow the requirements that are set forth by reputable authors of handbooks for writing theses and various other empirically based intellectual documents (APA Manual, Kate L. Turabian, and others). Still, there are some students who attend this program to sharpen their skills and improve their performance as a part of their ongoing career development.

The MPA degree program addresses a number of statewide educational goals articulated in “Educating for the 21st Century: The Maryland Plan for Postsecondary Education.” This is an evening school program that has students in attendance from all levels of the public sector.

We attribute our ever increasing enrollment to the information revolution and the explosion of knowledge technology. This, of course, has created a rapidly changing workforce that requires frequent changes in occupations, skills, training and education. The U.S. Department of Labor predicts that most professionals will change careers five or more times during their working years. Evidence clearly indicates that in the State of Maryland, we can anticipate a larger number of adult students seeking advanced degrees and various types of certifications offered in evening school programs at institutions of higher education.

Even though the MPA degree program targets adult professionals, it is open to all individuals who meet the requirements for admittance.

Admission to the Program

Applicants who wish to pursue the MPA degree will submit their undergraduate transcripts showing that they received a Bachelor’s degree from an accredited institution. All applicants are required to have a grade point average of 2.5 or better. Students in the MPA program must meet all of the requirements for admission and satisfy the prerequisites as described below.

Program Requirements

Core Courses (18 credit hours)

- PUAD 601 Concepts of Public Administration
- PUAD 502 Qualitative Research
- PUAD 524 Public Budgeting
- MGMT 511 Organizational Behavior
- MGMT 571 Human Resource Management

MGMT 584 Management Statistics

AREA OF CONCENTRATION (choose one)

A. GENERAL CONCENTRATION (18 credit hours)

PUAD 603 Public Policy Analysis
PUAD 704 Evaluation Research (Pre-req. PUAD 502)
PUAD 710 Intergovernmental Relations Seminar
ECON 522 Public Finance
MGMT 741 Organization Development
____ ____ One Elective course

B. PUBLIC POLICY AND MANAGEMENT (18 credit hours)

ECON 522 Public Finance
PUAD 603 Public Policy Analysis
PUAD 704 Evaluation Research
PUAD 605 Managers in a Technological Society
PUAD 710 Intergovernmental Relations Seminar
____ ____ One Elective course

C. HUMAN RESOURCE MANAGEMENT CONCENTRATION (18 credit hours)

MGMT 501 Managing Public and Private Organizations
MGMT 741 Organizational Development
MGMT 772 Human Resource Management Seminar
PUAD 603 Public Policy Analysis
MGMT 677 Labor Management Relations
____ ____ One Elective course

D. CERTIFICATE IN MANAGEMENT (12 credit hours)

INSS 630 Information Systems in Organizations **or**
PUAD 605 Manager in a Technological Society
MGMT 511 Organization Behavior
MGMT 571 Human Resources Management **or**
MGMT 741 Organization Development
MGMT 585 Quantitative Methods for Decision Making **or**
MGMT 584 Management Statistics
____ ____ One Elective course

Degree Completion Requirements

All degree requirements must be completed within a maximum of seven consecutive years. In addition, students must pass a three-hour Comprehensive Examination within a maximum of three attempts. The examination questions will be based upon topics from three selected academic domains.

Additional Information

Students who are currently enrolled in Business Information Systems are eligible to apply to the MPA Program. In addition, students from across the social science disciplines are eligible to apply to the MPA program. Course requirements leading to the MPA degree will depend upon the following:

1. The desired field of interest (Public Policy and Management, Human Resource Management or General Concentration);
2. The courses completed previously, and
3. The applicant's professional work experience in the intended field of study.

Certificate in Public Management

Qualified applicants may pursue the ***Certificate in Public Management*** which is a fifteen (15) credit program. The certificate program is well suited to those individuals who already hold degrees in non-related fields of study but serve as program executive/managers in a publicly funded or nonprofit organization with five or more years of experience. Those who are program executive/managers and are degreed in the social sciences meet the requirements for this program as well.

All other applicants who are eligible for the Certificate in Public Management shall have been employed as a program executive/program manager of a publicly funded or non-profit program for five years or more years. This category of applicant will be accepted in the program with or without the college degree provided he/she has managed human and financial resources with responsibility for supervising and/or directing five or more employees.

Advisors may also tailor a certificate program to the specific needs of an applicant who meets the above requirements.

Applicants interested in pursuing a Certificate in Management will submit evidence showing that they meet the certificate requirements, as stated above.

DEPARTMENT OF INFORMATION SYSTEMS Chair: Dr. David E. Anyiwo
DEGREE OFFERED Master of Science in Management Information Systems

Graduate Program Coordinator:
 Dr. Azene Zenebe.
 Room 3330, Center for Business and Graduate Studies

The Management Information Systems program is designed to prepare students for careers in the design, implementation, and management of information systems and information technology. The approach used in the program will combine the most relevant theoretical and practical concepts to enable students to understand the complex and dynamic environments in which information systems and information technology are used. The emphasis of the curriculum will be on the use of information systems and information technology to improve organizational efficiency and effectiveness. The MIS curriculum is based on the recommendations of professional societies in the information systems field.

Admission to the Program

An applicant must meet the admission requirements established by the School. The prerequisite for the program is a grade point average of 2.5 or better and a bachelor's degree in business, management, computer information systems, computer science or a related field that includes the following courses:

1. College Algebra
2. Business Statistics
3. Programming Languages
4. Economics
5. Quantitative Methods
6. Management
7. Computer Applications

Students not meeting all of the prerequisite conditions may be granted conditional admission and may be required to complete INSS 500 and other prerequisite courses before attempting any of the core courses in the curriculum. Students who have work experience in the information systems field but do not have the required academic background may qualify for admission to the MIS program. Students are encouraged to contact the MIS Department to discuss the qualifications for admission into the program.

Program Requirements

The Master of Science in Management Information Systems requires 36 semester hours consisting of nine (9) core courses and three (3) electives. Students are required to complete an information systems project in the Practicum Course and an analytical or scientific research paper in the Professional Seminar Course, and must pass a three-hour Comprehensive Examination after the completion of at least 18 semester hours for a maximum of three attempts. Contact the MIS Department for complete details on the Comprehensive Examination and other graduation requirements.

Core Courses*

INSS	510	Computer Concepts
INSS	620	Software Structures
INSS	630	Information Systems in Organizations

INSS	638	Data Communication Systems and Networks
INSS	640	Information Systems Analysis and Design
INSS	650	Database Management and Decision Systems
INSS	720	Information Systems Policy

*Courses should be completed before attempting the Comprehensive Examination.

Concluding Courses

INSS	880	Information Systems Practicum
INSS	890	Professional Seminar

Electives: Choose any three from the following

INSS	625	Individual and Group Dynamics in Organizations
INSS	635	Communication Theory
INSS	636	Information Systems and Telecommunications
INSS	655	Human Information Process
INSS	825	Issues in Information Systems Management
INSS	735	Information Systems Security
INSS	745	Systems Problem-Solving Methods
INSS	765	Information Measures
INSS	775	Information Systems Project Management
INSS	885	Special Topics

Information Systems Analyst Certificate Program

The prerequisites for the Certificate Program are the same as the prerequisites for the Master's program. The purpose of the Certificate Program is to prepare management professionals to serve as liaisons between functional units and the information processing/computer operations unit in organizations. The Certificate Program emphasizes the assessment of information management needs and then designing systems to meet those needs. Requirements for the certificate are 12 credit hours as listed below.

(Students without a background in computer or information systems are required to complete INSS 510 as a prerequisite to the Certificate Program.)

INSS	620	Software Structures
INSS	630	Information Systems in Organizations
INSS	640	Information Systems Analysis and Design
INSS	650	Database Management and Decision Systems

Curriculum Sequence

The following sequence represents a typical selection of courses. Due to extensive course offerings in the summer, most students are able to complete the Master's program in two years. The recommended course sequence is as follows:

First and Second Semesters

- Computer Concepts
- Information Management Analysis and Design
- Software Structures
- Data Communication Systems and Networks
- Information Systems in Organizations
- Elective (1)

Third and Fourth Semesters

Database Management/Decision Systems

Information Systems Practicum

Information Systems Policy

Professional Seminar

Electives (2)

Program of Study

Each student is required to complete a Program of Study in consultation with his/her advisor during the first semester of enrollment. The Program of Study designates the student's course selection and is required for Advancement to Candidacy. Students are strongly encouraged to meet with a MIS faculty member for advisement concerning a program of study.

Advancement to Candidacy

Upon completion of fifteen (15) hours of core coursework, the student must apply for Advancement to Candidacy. The qualifying GPA for Advancement to Candidacy is 3.25. Students who fail to meet the qualifying GPA will be denied Advancement to Candidacy.

Comprehensive Examination

To qualify to take the Comprehensive Examination, a student must have completed at least 24 hours of coursework taken at Bowie State University and must have been advanced to candidacy. Students enrolled in coursework that would result in the completion of the minimum 24 credit hour requirement may, with the permission of the graduate advisor, be allowed to take the Comprehensive Examination during the same semester. Students are strongly encouraged to take the Comprehensive Examination after the completion of all seven-core courses covered by the Examination and *at least one semester prior to when they expect to graduate*. The MIS faculty offers Comprehensive Examination orientation meetings prior to all examinations. Exact dates for the orientation and the examination are published each semester. Students are encouraged to consult with the MIS Department for the latest information concerning the Comprehensive Examination.

COLLEGE OF EDUCATION
Dr. Traki Taylor-Webb, Dean

The College of Education offers graduate programs leading to the Master of Arts degree in Counseling Psychology, Mental Health Counseling, and in Teaching, the Master of Education degree in the areas of Guidance and Counseling, Elementary Education, Reading Education, School Administration and Supervision, Secondary Education, and Special Education. The College of Education includes the Departments of Counseling, Educational Studies and Leadership and Teaching, Learning, and Professional Development.

DEPARTMENT OF COUNSELING Chair: Dr. Rhonda Jeter-Twilley
DEGREE OFFERED Master of Education in Guidance and Counseling P-12

Graduate Program Coordinators:

Dr. Audrey Lucas

Room 279, Center for Learning and Technology

The Master of Education (M.Ed.) degree program in Guidance and Counseling is a 48 credit hour program (or an optional program with 60 credit hours focusing on various specializations). This 48-hour program is designed to prepare counselors to work with children and youth across all levels in schools from kindergarten to high school (P-12). Candidates may plan programs of study from either an Eclectic theoretical approach to counseling or a specialized approach emphasizing the individual psychology school of thought of Alfred Adler. The program places heavy emphasis on interpersonal and helping relationships, which require considerable commitment on the part of the candidate. Candidates complete ten (10) hours of Professional Development Activity (PDA) in the community for each 3 credit hour course. In addition, candidates participate in field experiences throughout the program, complete a school practicum field placement (100 clock hrs) and a field internship experience (600 hrs), pass a written comprehensive/qualifying examination, and write a seminar paper.

Admission to the Program

Individuals interested in pursuing the graduate program in Guidance and Counseling must qualify for admission to the Graduate School. The following material must be submitted to the Office of Graduate Admissions:

1. Completed Graduate Application Form with the non-refundable application fee.
2. Submission of three letters of recommendation. Two letters must be from an academic instructor and one letter from an employer/supervisor. Recommendation forms may be obtained from the Office of Graduate Admissions.
3. Submission of a personal statement. The personal statement must be a typewritten statement not to exceed three single spaced pages in which the following points are addressed:
 - a. **Background information:** Family, education and work.
 - b. **Goals:** What do you expect to be doing in five (5) years? In ten (10) years?
 - c. **Strengths:** What strengths do you have that would contribute to your being a good counselor?
 - d. **Change:** What do you believe to be the facets of your personality, behavior, and/or outlook that, if modified or changed, would make you a better person/counselor? What plans, if any, do you have for making any such change(s)?
 - e. **Why Bowie State University?** Why did you decide to apply to the counseling program at B.S.U.?
 - f. **Your comments:** What additional information, thoughts, feelings, concerns and/or questions do you have?

Program Requirements

Common Courses for Eclectic and Adlerian Options

Core Course

PSYC	502	Principles and Philosophy of Counseling
EDUC	507	Human Growth and Development (Advanced)
COUN	702	Introduction to School Counseling
COUN	608	Career Counseling and Development
COUN	633	Multicultural Counseling
SPED	511	Special Education Perspectives
COUN	731	Group Counseling
COUN	610	Appraisal, Assessment and Evaluation
EDUC	706	Introduction to Research
PSYC	780	Legal and Ethical Issues In Counseling and Therapy
COUN	840	Counseling Children and Adolescents
COUN	836	Practicum in School Counseling (100 hours)
COUN	837	Internship in School Counseling (600 hours)
COUN	861	Seminar in School Counseling
PSYC	603	Mental Hygiene

Eclectic Counseling Requirements

PSYC 734 Counseling Theory and Practice

or

Adlerian Counseling Requirements

PSYC 730 Adlerian Theory and Practice

DEGREE OFFERED

Master of Education in Guidance and Counseling (Eclectic)
(48-Hour Degree Program)

SEQUENCING

Upon admission to the graduate program, each candidate is assigned an advisor to review the program options and to develop a plan of study. The majority of candidates in the Guidance and Counseling program are part-time candidates who follow the sequence of courses listed below; however, minor variations in sequencing of courses are made to facilitate full-time candidates enrolled in the degree program. The program requires prerequisites for more advanced courses. To guide candidates in the sequencing of courses, five levels of course sequencing have been identified. **Candidates must get the approval of their advisor before enrolling in any courses.**

Level One

PSYC 502	Principles and Philosophy of Counseling
PSYC 603	Mental Hygiene
EDUC 507	Human Growth and Development (Adv.)
COUN 633	Multicultural Counseling

Level Two

COUN 702	Introduction to School Counseling
SPED 511	Special Education Perspective
COUN 608	Career Counseling and Development
PSYC 734	Counseling Theory and Practice
PSYC 780	Legal and Ethical Issues in Therapy
COUN 610	Appraisal, Assessment and Evaluation

Level Three

EDUC 706	Introduction To Research
COUN 731	Group Counseling (Prerequisite: PSYC 534 or PSYC 530 and PSYC 502)

Level Four

COUN 840	Counseling Children and Adolescents
COUN 861	Seminar in School Counseling*

Level Five

COUN 836	Practicum in School Counseling (100 hrs)*
COUN 837	Internship in School Counseling (600 hrs)*

*Candidates must have completed Levels I, II, and III and have passed the Comprehensive Examination before registering for these classes.

All candidates must complete a total of 700 hours of field experience. If a candidate has not completed the experience, he/she must enroll in a one (1) credit hour independent study course (COUN 601) to complete the requirement.

Specific Requirements

- I. The initial course taken by all candidates is PSYC 502: Principles and Philosophy of Counseling. There are three other courses which candidates may choose to take concurrently with this introductory course: COUN 633: Multicultural Counseling, EDUC 507: Adv. Human Growth and Development, and PSYC 603: Mental Hygiene.
- II. At Level II, candidates may enroll in SPED 511: Special Education Perspective, COUN 608: Career Counseling and Development, PSYC 734: Counseling Theory and Practice, PSYC 780: Legal and Ethical Issues and COUN 610: Appraisal, Assessment and Evaluation and COUN 702: Intro. to School Counseling
- III. After completing twelve (12) credit hours in the program, candidates are required to make application for Advancement to Candidacy. The Counseling Faculty at this point reviews each application. If candidates have a 3.25 grade point average and are recommended by at least two members of the full-time faculty, they are advanced to candidacy in the degree program.
- IV. At Level III, candidates may enroll in one or both of the following courses: COUN 731: Group Counseling, and EDUC 706: Introduction to Research. After completing thirty (30) credit hours (Levels I, II, and III) in the program, each candidate is eligible to take the three-hour written Comprehensive Examination. The Examination is designed to assess candidates' mastery of the program objectives.
- V. At Level IV, candidates may enroll in one or both of the following courses: COUN 840: Counseling Children and Adolescents or COUN 861: Seminar in School Counseling., but you must pass the Comprehensive Exam to take seminar at Level IV.
- VI. At Level V, candidates may enroll in COUN 836: Practicum in School Counseling (100 hrs) and COUN 861: Seminar in School Counseling concurrently. However, candidates must pass the Comprehensive Examination to be able to enroll in COUN 836, and complete the 100 hour COUN 836: Practicum in School Counseling before enrolling in COUN 837: Internship in School Counseling.

Prospective Practicum [100 hours] students are required to attend an orientation session one semester prior to enrollment in the practicum course in order to make arrangements for a practicum placement.

(Note: Candidates may not enroll in Level V courses until they have completed courses in Levels I, II, III, and IV and passed the Comprehensive Examination.)

DEGREE OFFERED

Master of Education I School Counseling (Adlerian)
(48- Hour Degree Program)

SEQUENCING

Upon admission to the graduate program, each candidate is assigned an advisor to review the program options and to develop a plan of study. The majority of candidates in the School Counseling program are part-time candidates who follow the sequence of courses listed below; however, minor variations in sequencing of courses are made to facilitate full-time candidates enrolled in the degree program. The program requires prerequisites for more advanced courses. To guide candidates in the sequencing of courses, five levels of course sequencing have been identified. **Candidates must get the approval of their advisor before enrolling in any courses.**

Level One

PSYC 502	Principles and Philosophy of Counseling
EDUC 507	Human Growth and Development (Adv.)
COUN 633	Multicultural Counseling
PSYC 603	Mental Hygiene

Level Two

COUN 702	Introduction to School Counseling
SPED 511	Special Education Perspective
COUN 608	Career Counseling and Development
PSYC 730	Adlerian Theory and Practice
PSYC 780	Legal and Ethical Issues in Therapy
COUN 610	Appraisal, Assessment and Evaluation

Level Three

EDUC 706	Introduction to Research
COUN 731	Group Counseling (Prerequisite: PSYC 534 or PSYC 530 and PSYC 502)

Level Four

COUN 840	Counseling Children and Adolescents
COUN 861	Seminar in School Counseling*

Level Five

COUN 836	Practicum in School Counseling (100 hrs)*
COUN 837	Internship in School Counseling (600 hrs)*

*Candidates must have completed Levels I, II, and III and have passed the Comprehensive Examination before registering for these classes.

The Practicum and Internship experiences for candidates will be designed based upon the experiences they have in teaching or counseling on the P-12 level. If a candidate has not completed the experience, he/she must enroll in a one (1) credit hour independent study course (COUN 801) to complete it the course.

- I. The initial course taken by all Candidates is PSYC 502: Principles and Philosophy of Counseling. There are three other courses which Candidates may choose to take concurrently with this

introductory course: COUN 633: Multicultural Counseling, EDUC 507: Adv. Human Growth and Development, and PSYC 603: Mental Hygiene.

- II. At Level II, Candidates may enroll in SPED 511: Special Education Perspective, COUN 608: Career Counseling and Development, PSYC 734: Counseling Theory and Practice, PSYC 780: Legal and Ethical Issues and COUN 610: Appraisal, Assessment and Evaluation, and COUN 702, Introduction to School Counseling.
- III. After completing twelve (12) credit hours in the program, candidates are required to make application for Advancement to Candidacy. The Counseling Faculty at this point reviews each application. If candidates have a 3.25 grade point average and are recommended by at least two members of the full-time faculty, they are advanced to candidacy in the degree program.
- IV. At Level III, candidates may enroll in one or both of the following courses: COUN 731: Group Counseling, and EDUC 706: Introduction to Research. After completing the thirty (30) credit hours (Levels I, II, and III) in the program, each candidate is eligible to take the three-hour written Comprehensive Examination. The Examination is designed to assess candidates' mastery of the program objectives.
- V. At Level IV, candidates may enroll in one or both of the following courses: COUN 840: Counseling Children and Adolescents or COUN 861: Seminar in Counseling. You must pass the Comprehensive Exam to take seminar at Level IV.
- VI. At Level V, candidates may enroll in COUN 836: Practicum in School Counseling (100 hrs) and COUN 861: Seminar in School Counseling concurrently. However, candidates must pass the Comprehensive Examination to be able to enroll in COUN 836, and complete the 100 hours of COUN 836: Practicum in School Counseling before enrolling in COUN 837: Internship in School Counseling. (Note: Candidates may not enroll in Level V courses until they have completed courses in Levels I, II, III, and IV and passed the Comprehensive Examination.)

DEPARTMENT OF COUNSELING Chair: Dr. Rhonda Jeter-Twilley
DEGREE OFFERED Master of Arts in Counseling Psychology

Graduate Program Coordinator:
 Dr. Cubie Bragg
 Room 285, Center for Learning and Technology

Bowie State University offers a Master of Arts degree in Counseling Psychology. Students may enroll in the program from the Eclectic theoretical approach to counseling or elect a specialized approach emphasizing the Adlerian or Individual Psychology school of thought originated and developed by Alfred Adler and his followers.

The Master of Arts in Counseling Psychology degree program provides professional preparation for persons wishing to become counselors in non-educational institutions, such as community mental health facilities. Concentrations in pastoral counseling and health counseling are offered for persons wishing to qualify in these specialties. Specializations are offered in addiction counseling, career counseling, family counseling, health counseling, human services, pastoral counseling and psychotherapy. Advanced certificates are available in family counseling and psychotherapy. Concentrations and certificate programs are available with either an Adlerian or Eclectic focus.

The Master of Arts in the Counseling Psychology degree program places great emphasis on interpersonal and helping relationships, which require considerable commitment on the part of the student. The student must complete a 48 semester hour program, a practicum placement and pass a Comprehensive Examination before enrolling in PSYC 858, Internship in Counseling Psychology, and a seminar paper. Students must plan their programs in consultation with an assigned advisor from the counseling faculty.

The Eclectic option is designed to allow the counseling student to develop expertise in the diverse array of counseling theories available today. Students develop an in-depth understanding of the origins, development, and latest research on the major psychodynamic, existential, humanistic, behavioral, and cognitive behavioral theories. Through the Eclectic option, students develop competence in counseling strategies that enable them to choose the best approach to counseling clients. Students develop advanced skills in identifying and modifying cognitive, behavioral, and emotional problems. Through the Eclectic program, students are encouraged to develop their own philosophy of counseling to meet the challenge of counseling diverse clients in the modern world.

The Adlerian or individual psychology option is designed to allow the counselor to develop an extensive expertise in Adlerian techniques and philosophy while developing a repertoire of methods and strategies from other appropriate eclectic theoretical orientations. Through the Adlerian option, counselors learn a wide variety of counseling strategies and psychological approaches to human behavior in general and Adlerian Counseling in particular. The student studies means of identifying mistaken convictions and notions about life, means for acquiring responsible behavior patterns, classroom discipline and management strategies, life style assessment techniques, family constellations, early recollection interpretations, and proven principles of parenting. The Adlerian philosophy also provides for corrective measures to acting-out behaviors of young children (both in the home and in school settings), violence and conflict mediation, insight into and understanding of personality or life style formation, and thematic interpretation of goals and purposes of one's behavior for counseling

methodology.

Admission to the Program

Individuals interested in pursuing the graduate program in counseling psychology must qualify for admission to the Graduate School. The following material must be submitted to the Office of Graduate Admissions:

1. Completed Graduate Application Form with the non-refundable application fee.
2. Submission of three letters of recommendation. Two letters must be from an academic instructor and one letter from an employer/supervisor. Recommendation forms may be obtained from the Office of Graduate Admissions.
3. Submission of a personal statement. The personal statement must be a typewritten statement not to exceed three single spaced pages in which the following points are addressed:
 - a. **Background information:** Family, education and work.
 - b. **Goals:** What do you expect to be doing in five (5) years? In ten (10) years?
 - c. **Strengths:** What strengths do you have that would contribute to your being a good counselor?
 - d. **Change:** What do you believe to be the facets of your personality, behavior, and/or outlook that, if modified or changed, would make you a better person/counselor? What plans, if any, do you have for making any such change(s)?
 - e. **Why Bowie State University?** Why did you decide to apply to the counseling program at B.S.U.?
 - f. **Your comments:** What additional information, thoughts, feelings, concerns and/or questions do you have?

Program Requirements

Common Courses for Both Options

EDUC 706	Introduction to Research
EDUC 507	Human Growth and Development (Advance)
COUN 731	Group Counseling
COUN 732	Family Counseling
COUN 633	Multicultural Counseling
PSYC 836	Practicum in Counseling Psychology I (100 hours)
PSYC 858	Internship in Counseling Psychology (600 hours)
PSYC 502	Principles and Philosophy of Counseling
COUN 608	Career Counseling and Development
PSYC 744	Psychodynamics of Psychopathology (DSMIV) or
PSYC 714	Clinical Assessment
PSYC 861	Seminar in Counseling Psychology
PSYC 780	Legal and Ethical Issues In Counseling and Therapy
PSYC 710	Psychometric Testing I
PSYC 711	Psychometric Testing II or
COUN 762	Drug and Alcohol Counseling

Eclectic Option

PSYC 734	Counseling Theory and Practice
COUN 610	Appraisal, Assessment and Evaluation

Total **48 Credits**

Adlerian Option

PSYC 730	Adlerian Theory and Practice
PSYC 737	Life Style Assessment

Total **48 Credits**

Specific Requirements:

1. Seminar paper to be written in Seminar in Counseling Psychology: PSYC 861. Candidates **MUST** have passed the Comprehensive Examination to be able to enroll in this course. They must have passed the Comprehensive Examination before they can take either practicum or internship also.
2. Written Comprehensive Examination. Prerequisite -- completion of or enrollment in EDUC 706: Introduction to Research, and 30 semester hours in program. The Qualifying Examination must be passed prior to enrollment in the Internship [600 hours] and Seminar.
3. Prospective Practicum [100 hours] students are required to attend an orientation session one semester prior to enrollment in the practicum course in order to make arrangements for a practicum placement, and a passing grade on the Comprehensive Examination.
4. The Internship [600 hours] cannot be taken prior to the completion of 30 semester hours in the program. Prerequisites: PSYC 502, PSYC 730 or 734, COUN 731, COUN 608, COUN 633, COUN 610, PSYC 780, PSYC 744 OR PSYC 714, PSYC 836, EDUC 706, passing grade on the Comprehensive Examination and completion of the Practicum experience.

DEGREE OFFERED

Master of Arts in Counseling Psychology (Eclectic)
(48-Hour Degree Program)

SEQUENCING

Upon admission to the graduate program, each student is assigned an advisor to review the program options and to develop a plan of study. The majority of students in the Masters of Arts degree in Counseling Psychology program are part-time students who follow the sequence of courses listed below; however, minor variations in sequencing of courses are made to accommodate full-time students enrolled in the degree program. The program requires prerequisites for more advanced courses. To guide students in the sequencing of courses, five levels of course sequencing have been identified. ***Students must obtain the approval of their advisor before enrolling in any courses.***

Level One

PSYC 502	Principles and Philosophy of Counseling
EDUC 507	Human Growth and Development
COUN 633	Multicultural Counseling

Level Two

COUN 608	Career Counseling and Development
COUN 610	Appraisal, Assessment and Evaluation
PSYC 734	Counseling Theory and Practice
PSYC 780	Legal and Ethical Issues

Level Three

EDUC 706	Introduction to Research
COUN 731	Group Counseling
COUN 732	Family Counseling

Level Four

PSYC 744	Psychodynamics of Psychopathology I [DSMIV] or
PSYC 714	Clinical Assessment in Counseling and Psychotherapy [DSMIV]
PSYC 710	Psychometric Testing I
PSYC 711	Psychometric Testing II or
COUN 762	Drug and Alcohol Counseling

Level Five

PSYC 836	Practicum in Counseling Psychology (100 hrs)**
PSYC 861	Seminar in Counseling Psychology
PSYC 858	Internship in Counseling Psychology (600 hrs)**

****The Practicum (100 hrs) and Internship (600 hrs) require an orientation the semester prior to enrolling in the class. Also, students must have passed the Comprehensive Examination before they can enroll in practicum.**

1. The initial course taken by all students is PSYC 502: Principles and Philosophy of Counseling. There are two other courses that students may choose to take concurrently with this

introductory course. They are COUN 633: Multicultural Counseling and EDUC 507: Human Growth and Development.

2. At Level II, students may enroll in PSYC 734: Counseling Theory and Practice or PSYC 730: Alderian Theory and Practice; COUN 732: Family Counseling; COUN 610: Appraisal, Assessment and Evaluation; COUN 608: Career Counseling; or PSYC 780: Legal and Ethical Issues.

At the completion of twelve (12) hours in the program, students are required to make application for Advancement to Candidacy. The Counseling faculty at this point reviews each application. If students have a 3.25 grade point average and are recommended by at least two members of the full-time faculty, they are advanced to candidacy in the degree program.

3. At Level III, students may enroll in one or more of the following courses: EDUC 706: Introduction to Research, COUN 732: Family Counseling, and COUN 731: Group Counseling.

After completing Levels I, II and III in the program, students are eligible to take the Comprehensive Examination. The Examination is designed to assess students' mastery of the program objectives.

4. At Level IV, students may enroll in PSYC 744: Psychodynamics of Psychopathology [DSMIV] or PSYC 714: Clinical Assessment in Counseling and Psychotherapy [DSMIV]; PSYC 710: Psychometric Testing I; and PSYC 711: Psychometric Testing II. COUN 762: Drug and Alcohol Counseling may be taken in lieu of PSYC 711.

After completing thirty (30) credit hours in the program, each student is eligible to take the written Comprehensive Examination. The Comprehensive Examination is designed to assess students' mastery of the program objectives. The Comprehensive Examination may be taken prior to or during enrollment in Level IV courses. However, the Comprehensive Examination must be passed prior to enrollment in Level V courses (PSYC 836: Practicum in Counseling Psychology; PSYC 861: Seminar in Counseling Psychology; PSYC 858: Internship in Counseling Psychology).

5. At Level V, students may enroll in PSYC 836: Practicum in Counseling Psychology (100 hrs) and PSYC 861: Seminar in Counseling Psychology concurrently. However, students **must complete** the 100 hour Practicum in Counseling Psychology before enrolling in PSYC 558: Internship in Counseling Psychology (600 hrs)

Students may not enroll in these Level V courses until they have completed Level III courses, passed the Comprehensive Examination and completed Level IV courses.

If a student has not completed the internship experience by the end of the semester, he/she must enroll in a one (1) credit hour independent study course (PSYC 801).

DEGREE OFFERED

Master of Arts in Counseling Psychology (Adlerian)
(48-Hour Degree Program)

SEQUENCING

Upon admission to the graduate program, each student is assigned an advisor to review the program options and to develop a plan of study. The majority of students in the Masters of Arts degree in Counseling Psychology program are part-time students who follow the sequence of courses listed below; however, minor variations in sequencing of courses are made to accommodate full-time students enrolled in the degree program. The program requires prerequisites for more advanced courses. To guide students in the sequencing of courses, four levels of course sequencing have been identified. ***Students must obtain the approval of advisor before enrolling in any courses.***

Level One

PSYC 502	Principles and Philosophy of Counseling*
EDUC 507	Human Growth and Development
COUN 633	Multicultural Counseling

Level Two

COUN 608	Career Counseling and Development
PSYC 730	Adlerian Theory and Practice
PSYC 737	Life Style Assessment
PSYC 780	Legal and Ethical Issues in Counseling and Therapy

Level Three

EDUC 706	Introduction to Research
COUN 731	Group Counseling
COUN 732	Family Counseling

Level Four

PSYC 744	Psychodynamics of Psychopathology I [DSMIV] or
PSYC 714	Clinical Assessment in Counseling and Psychotherapy [DSMIV]
PSYC 710	Psychometric Testing I
PSYC 711	Psychometric Testing II or
COUN 762	Drug and Alcohol Counseling

Level Five

PSYC 836	Practicum in Counseling Psychology (100 hrs)**
PSYC 861	Seminar in Counseling Psychology
PSYC 858	Internship in Counseling Psychology (600 hrs)**

***All counseling programs, Adlerian and Eclectic, use a common principles course; Adlerian concepts, philosophy, and theory will be covered in all principles classes.**

[The Practicum (100 hrs) and Internship (600 hrs) require an orientation the semester prior to enrolling in the class]**

1. The initial course taken by all students is PSYC 502: Principles and Philosophy of Counseling. There are two other courses that students may choose to take concurrently with this introductory course. They are COUN 633: Multicultural Counseling and EDUC 507: Human Growth and Development.
2. At Level II, students may enroll in COUN 608: Career Counseling; PSYC 730: Adlerian Counseling Theory and Practice; PSYC 737: Life Style Assessment (PSYC 730 required first); and PSYC 780: Legal and Ethical Issues in Counseling and Therapy.

At the completion of twelve (12) hours in the program, students are required to make application for Advancement to Candidacy. The Counseling Faculty at this point reviews each application. If students have a 3.25 grade point average and are recommended by at least two members of the full-time faculty, they are advanced to candidacy in the degree program.

3. At Level III, students may enroll in one or more of the following courses: EDUC 706: Introduction to Research, COUN 731: Group Counseling, and COUN 732: Family Counseling.

After completing Levels I, II and III in the program, students are eligible to take the Comprehensive Examination. The Examination is designed to assess students' mastery of the program objectives.

4. At Level IV, students may enroll in one or more of the following courses: PSYC 744: Psychodynamics of Psychopathology [DSMIV] or PSYC 714: Clinical Assessment in Counseling and Psychotherapy [DSMIV]; PSYC 710: Psychometric Testing I; PSYC 711: Psychometric Testing II. COUN 762: Drug and Alcohol Counseling may be taken in lieu of PSYC 711.

After completing thirty (30) credit hours in the program, each student is eligible to take the written Comprehensive Examination. The Comprehensive Examination is designed to assess students' mastery of the program objectives. The Comprehensive Examination may be taken prior to or during enrollment in Level IV courses. However, the Comprehensive Examination must be passed prior to enrollment in Level V courses (PSYC 836: Practicum in Counseling Psychology; PSYC 861: Seminar in Counseling Psychology; PSYC 858: Internship in Counseling Psychology).

5. At Level V, students may enroll in PSYC 836: Practicum in Counseling Psychology (100 hrs) and PSYC 861: Seminar in Counseling Psychology concurrently. However, students **must complete** the 100 hour Practicum in Counseling Psychology before enrolling in PSYC 858: Internship in Counseling Psychology (600 hrs)

Students may not enroll in these Level V courses until they have completed Level III courses, passed the Comprehensive Examination and completed Level IV courses.

If a student has not completed the internship experience by the end of the semester, he/she must enroll in a one (1) credit hour independent study course (PSYC 801).

CERTIFICATE PROGRAMS

Certificates (except for the psychotherapy certificate) may be earned concurrently with the M.A. or M.Ed. or may be obtained after obtaining a master's degree. Certificate programs are offered in family counseling, human services, and psychotherapy. Students may find that a combination of a degree and certificate program may best serve their long-range professional needs.

Certificate in Family Counseling

Adlerian Option

The certificate program in family counseling consists of 24 semester hours. All coursework taken in this program may be applied to the M.A. or M.Ed. degree in counseling. This certificate program is recommended for students who anticipate working with families or whose work will be enhanced by an understanding of family dynamics.

Course Requirements

COUN 731	Group Counseling
COUN 633	Multicultural Counseling or
PSYC 540	Social Equality
COUN 840	Counseling Children and Adolescents
COUN 843	Marital Counseling or
PSYC 509	Adlerian Classroom Discipline and Management
PSYC 730	Adlerian Theory and Practice
COUN 732	Family Counseling
PSYC 837	Life Style Assessment
PSYC 838	Practicum in Family Counseling

Total **24 Credits**

Eclectic Option

The certificate program in family counseling consists of 24 semester hours. All coursework taken in this program may be applied to the M.A. or M.Ed. degree in counseling. This certificate program is recommended for students who anticipate working with families or whose work will be enhanced by an understanding of family dynamics.

Course Requirements

COUN 731	Group Counseling
COUN 633	Multicultural Counseling or
COUN 840	Counseling Children and Adolescents
COUN 732	Family Counseling
COUN 843	Marital Counseling or
PSYC 734	Counseling Theory and Practice
PSYC 730	Adlerian Theory and Practice
COUN 610	Appraisal, Assessment and Evaluation
PSYC 538	Practicum in Family Counseling

Total **24 Credits**

Certificate in Human Services

Adlerian and Eclectic

The certificate in human services consists of 18 semester hours. All coursework taken in this program may be applied to the M.A. or M.Ed. degree in counseling. Students are trained to understand and to identify the purposes of behavior manifested by their clients. Significant time is devoted to developing effective counseling strategies which take into account both the subjective views of the client and the cultural-social milieu in which the client exists. Students learn to evaluate the effectiveness of counseling programs in terms of positive behavior change of clients.

This program is designed specifically for parole and probation officers; however, it can be easily modified to meet the needs of human service workers in other rehabilitative settings. This program is available to non-degree holders and candidates.

Course Requirements

PSYC 502	Principles and Philosophy of Counseling
PSYC 734	Counseling Theory and Practice
	or
PSYC 730	Adlerian Theory and Practice
COUN 633	Multicultural Counseling or
PSYC 540	Social Equality
COUN 610	Appraisal, Assessment and Evaluation or
COUN 762	Drug and Alcohol Counseling
PSYC 598	Adlerian Workshop: Human Services
PSYC 836	Practicum in Counseling

Total 18 Credits

Advanced Certificate in Psychotherapy

The advanced certificate program in psychotherapy consists of thirty (30) semester hours beyond the master's degree. Students must have completed at least a master's degree in counseling psychology, or a closely related field prior to starting the certificate program in psychotherapy. Many students pursuing the psychotherapy certificate are licensed or are post-doctoral. **This program does not result in licensure as a psychologist in Maryland.**

Prerequisites

PSYC 502	Principles and Philosophy of Counseling
PSYC 734	Counseling Theory and Practice or
PSYC 730	Adlerian Theory and Practice

Psychotherapy certificate courses can be chosen from the following courses:

Core Courses

COUN 610	Appraisal, Assessment and Evaluation
COUN 731	Group Counseling
COUN 732	Family Counseling
COUN 633	Multicultural Counseling
COUN 840	Counseling Children and Adolescents
COUN 843	Marital Counseling
COUN 852	Group Counseling II
COUN 755	Biofeedback Theory and Practices
COUN 762	Drug and Alcohol Counseling
PSYC 604	Psychological Foundations

PSYC	606	Biological Bases of Human Behavior
PSYC	607	Social Bases of Human Development
PSYC	714	Clinical Assessment in Counseling and Psychotherapy
PSYC	734	Counseling Theory and Practice or
PSYC	730	Theory and Practice of Group Therapy
PSYC	838	Practicum in Family Counseling*
PSYC	540	Social Equality
PSYC	744	Psychodynamics of Psychopathology I [DSMIV]
PSYC	545	Psychodynamics of Psychopathology II [DSMIV]
PSYC	775	Psychopharmacology
PSYC	780	Legal and Ethical Issues in Therapy
PSYC	710	Psychometric Testing I or
COUN	762	Drug and Alcohol Counseling
PSYC	711	Psychometric Testing II

*Practicum in Psychotherapy I

*Practicum in Psychotherapy II

Total **12 Credits**

*Students must have completed Family Counseling before taking Practicum in Psychotherapy.

Specializations

Addiction Counseling

Course Requirements

COUN	762	Drug and Alcohol Counseling
PSYC	714	Clinical Assessment in Counseling and Psychotherapy or
PSYC	744	Psychodynamics of Psychopathology (DSM-IV)
PSYC	775	Psychopharmacology (Drugs/Diagnoses)
PSYC	609	Internship In Addiction Counseling (300 Hours)

Total **12 Credits**

Career Counseling

Course Requirements

COUN	608	Career Counseling or an approved substitute
PSYC	611	Critical Adult Life Stages
PSYC	547	Practicum in Individual Therapy
PSYC	603	Internship in Career Counseling [100/300hours]

Total **12 Credits**

Art Therapy

Course Requirements

PSYC	793	Art Therapy for Children
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PSYC	794	Art Therapy for Adults
PSYC	595	Theory and Practices in Art Therapy
PSYC	602	Internship in Art Therapy [100/300 hours]

Total **12 Credits**

Family Counseling

Course Requirements

COUN	732	Family Counseling
PSYC	737	Marital Counseling
PSYC	546	Theory and Practices in Group Therapy or
COUN	840	Counseling Children and Adolescents
PSYC	604	Internship in Family Counseling [100/300 hours]

Total **12 Credits**

Psychotherapy

Course Requirements

COUN	755	Biofeedback Therapy
COUN	762	Drug and Alcohol Counseling or
PSYC	775	Psychopharmacology [drugs/diagnosis] [DSMIV]
PSYC	714	Clinical Assessments in Counseling and Psychotherapy [DSMIV] or
PSYC	744	Psychodynamics of Psychopathology I [DSMIV]
PSYC	546	Theory and Practices in Group Therapy
PSYC	806	Internship in Mental Health Therapy [100/300 hours]

Total **12 Credits**

Psychological Assessment

Course Requirements

PSYC	714	Clinical Assessment in Counseling and Psychotherapy [DSMIV] or
PSYC	744	Psychodynamics of Psychopathology I [DSMIV]
PSYC	540	Research Analysis
PSYC	607	Internship in Psychological Assessment (100/300 hours)
PSYC	710	Psychometric Testing I
PSYC	711	Psychometric Testing II or
COUN	755	Biofeedback Therapy

Total **12 Credits**

Pastoral Counseling

Clinical Pastoral Counseling is interdisciplinary in nature and utilizes many of the existing Counseling Psychology course requirements. The core courses for a specialization in Clinical Pastoral Counseling are:

Course Requirements

PSYC	701	History and Theory of Pastoral Care/Counseling
PSYC	703	Pastoral Diagnosis and Psychopathology [DSMIV]

COUN 608 Career Counseling and Development

One or both of the following:

PSYC 705 Religious and Spiritual Resources in Counseling

PSYC 707 Congregational Interpersonal Relations and Pastoral Care

Total 12 Credits

Health Counseling

Course Requirements

COUN 612 Optimal Health Through the Life Span **or**

COUN 613 Nutritional Counseling

COUN 762 Drug and Alcohol Counseling

PSYC 611 Critical Adult Life Stages

PSYC 805 Internship in Health Counseling [100/300 hours]

Total 15 Credits

Adlerian Counseling and Psychotherapy

Course Requirements

(May take four or all five, depending on need)

PSYC 502 Principles and Philosophy of Adlerian Counseling

PSYC 509 Adlerian Classroom Discipline and Management

PSYC 730 Adlerian Theory and Practice

PSYC 737 Life Style Assessment

PSYC 608 Internship in Adlerian Theory and Practice [100/300 hours]

Total 15 Credits

Note: Attendance at an orientation session is required during the semester prior to enrolling in a Practicum or Internship course.

DEPARTMENT OF COUNSELING Chair: Dr. Rhonda Jeter-Twilley
DEGREE OFFERED Master of Arts in Mental Health Counseling

Graduate Program Coordinator:
 Dr. Frank Norton
 Room 284, Center for Learning and Technology

PROGRAM DESCRIPTION

The Master’s of Arts Degree in Mental Health Counseling is a 60-credit hour program that gives students an option to complete the courses required for initial licensure in the State of Maryland as a part of a degree. In addition, this program has three field experiences that gives students the maximum amount of hours accepted pre-degree for licensure, 1000 hours.

Admission Requirements

1. Completion of a B.A. or B.S. Degree with a minimum of a 3.0 Cumulative GPA and at least 12 undergraduate credit hours in counseling, psychology or a related area.
2. Submission of three letters of recommendation. These letters of recommendation must come from an academic instructor or employer/supervisor.
3. Submission of a personal statement. The personal statement must be a typewritten statement not to exceed three single spaced pages in which the following points are addressed:
 - a. **Background information:** Family, education and work.
 - b. **Goals:** What do you expect to be doing in five (5) years? In ten (10) years?
 - c. **Strengths:** What strengths do you have that would contribute to your being a good counselor?
 - d. **Change:** What do you believe to be the facets of your personality, behavior, and/or outlook that, if modified or changed, would make you a better person/counselor? What plans, if any, do you have for making any such change(s)?
 - e. **Why Bowie State University?** Why did you decide to apply to the counseling program at B.S.U.?
 - f. **Your comments:** What additional information, thoughts, feelings, concerns and/or questions do you have?

Students will be able to apply for a Licensed Graduate Professional Counselor License (LGPC) after completing the program. The University will be seeking specialized accreditation for this program from CACREP.

DEGREE OFFERED

Master of Arts in Mental Health Counseling (60-Hour Degree Program)

SEQUENCING

Upon admission to the graduate program, each student is assigned an advisor to review the program options and to develop a plan of study. The majority of students in the Masters of Arts degree in Mental Health Counseling program are part-time students who follow the sequence of courses listed below; however, minor variations in sequencing of courses are made to accommodate full-time students enrolled in the degree program. The program requires prerequisites for more advanced courses. To guide students in the sequencing of courses, six levels of course sequencing have been identified. ***Students must obtain the approval of their advisor before enrolling in any courses.***

Level One

PSYC 502	Principles and Philosophy of Counseling*
EDUC 507	Human Growth and Development
COUN 633	Multicultural Counseling

Level Two

COUN 608	Career Counseling and Development
PSYC 734	Counseling Theory and Practice or
PSYC 730	Adlerian Theory and Practice
COUN 731	Group Counseling
PSYC 780	Legal and Ethical Issues

Level Three

PSYC 836	Practicum in Counseling Psychology (200 hrs)***
EDUC 706	Introduction to Research
COUN 610	Appraisal, Assessment and Evaluation
COUN 732	Family Counseling

Level Four

PSYC 744	Psychodynamics of Psychopathology I [DSM-IV-TR] or
PSYC 714	Clinical Assessment in Counseling and Psychotherapy [DSM-IV-TR]
PSYC ____	Elective**
PSYC 775	Psychopharmacology
PSYC 761	Seminar in Counseling Psychology

Level Five

COUN 762	Drug and Alcohol Counseling
PSYC 833	Advanced Techniques in Psychotherapy
PSYC ____	Elective**

Level Six

PSYC 858a	Internship in Mental Health Counseling (400 hrs)***
PSYC 858b	Internship in Counseling Psychology (400 hrs)***

***All counseling programs, Adlerian and Eclectic, use a common principles course; Adlerian concepts, philosophy, and theory will be covered in all principles classes.**

****Electives may be taken such as PSYC 610/PSYC 611. They include any of the Adlerian course options.**

[*The Practicum (200 hrs) and Internships (400 hrs each) require an orientation the *semester prior* to enrolling in the class]**

1. The initial course taken by all students is PSYC 502: Principles and Philosophy of Counseling. There are two other courses that students may choose to take concurrently with this introductory course. They are COUN 633: Multicultural Counseling and EDUC 507: Human Growth and Development.
2. At Level II, students may enroll in PSYC 734: Counseling Theory and Practice; COUN 608: Career Counseling; COUN 731: Group Counseling or PSYC 780: Legal and Ethical Issues.

At the completion of 12 to a maximum of 18 hours in the program, students are required to make application for Advancement to Candidacy. The Counseling faculty at this point reviews each application. If students have a 3.25 grade point average and are recommended by at least two members of the full-time faculty, they are advanced to candidacy in the degree program.

At the end of Level II and the completion of 21 hours, students are required to meet with their advisor to insure they have met all Level I and Level II requirements to then take Practicum. Requirements at this point include have an overall GPA of at least 3.25, have been advanced to candidacy, and have the recommendation again of two professors to continue in the program.

3. At Level III, students may enroll in one or more of the following courses: EDUC 706: Introduction to Research, COUN 610: Appraisal, Assessment, and Evaluation, and COUN 732: Family Counseling. It is recommended that students take EDUC706: Introduction to Research at the same time as COUN 610: Appraisal, Assessment and Evaluation in order to facilitate working on the master's thesis.

After completing Levels I, and II in the program and the Practicum, students are eligible to take the Comprehensive Examination. The Examination is designed to assess students' mastery of the program objectives.

4. At Level IV, students may enroll in PSYC 744: Psychodynamics of Psychopathology [DSMIV] or PSYC 714: Clinical Assessment in Counseling and Psychotherapy [DSMIV]; and PSYC 775: Psychopharmacology. Electives choices available include PSYC 710: Psychometric Testing I and such Adlerian courses as Adlerian Theory and Practice, and Life Style Assessment.

After completing twenty-one 21 credit hours in the program, each student is eligible to take the written Comprehensive Examination. The Comprehensive Examination is designed to assess students' mastery of the program objectives. The Comprehensive Examination may be taken prior to or during enrollment in Level III courses or in the Level IV course in PSYC 536: Practicum in Mental Health Counseling (200 hrs). However, the Comprehensive Examination must be passed prior to enrollment in Level IV courses.

5. At Level VI, students may enroll in PSYC 838: Internship in Mental Health Counseling (400 hrs) and PSYC 861: Seminar in Counseling Psychology concurrently. However, students must

complete the 200 hour Practicum in Counseling Psychology before enrolling in either Internship Class.

If a student has not completed the internship experience by the end of the semester, he/she must enroll in a one (1) credit hour independent study course (PSYC 801) to complete the hours.

DEPARTMENT OF COUNSELING Chair: Dr. Rhonda Jeter-Twilley
DEGREE OFFERED Master of Arts and Certificate of Advanced Study In School Psychology

Graduate Program Coordinator:
 Dr. Kimberly Daniel
 Room 376, Center for Learning and Technology

This program trains candidates to become competent and caring practitioners in the field of school psychology in order to assist schools in high levels of academic achievement among diverse student populations. They partner with school personnel, parents, and outside agencies to improve supports for children at the individual, classroom and school systems level. It offers a strong foundation in psychological theories, consultation processes, data-based decision making, psycho-educational assessment, prevention and intervention techniques, counseling, and practicum. All students will be required to demonstrate a basic knowledge of statistics and research methods and will learn professional ethics and legislation relevant to the educational system. Students are expected to complete **60 credit hours** in order to obtain the Masters degree and the Certificate of Advanced Study. Graduates of the program will be eligible to apply for certification at the national level based on successful completion of the national certification examination (Praxis II) for school psychologists.

Admission to the Program

Applicants are typically admitted during the fall semester only. Applicants must hold a bachelor’s degree from a regionally accredited institution. Applicants must submit the following materials:

1. Proof of completion of at least 15 undergraduate credits in psychology (grade of C or better).
2. Proof of an overall GPA of at least 3.0
3. Three letters of recommendation
4. A statement of interest including background information, goals, strengths, and reasons for pursuing graduate studies in this program.

All prospective students are interviewed by an admissions committee comprised of program faculty.

Objectives of the Program

1. To provide a clear understanding of the various knowledge bases inherent in the practice of school psychology.
2. To enhance students’ recognition of the importance of embracing diversity in all its forms, including racial, socioeconomic, degree of exceptionality, etc.
3. To prepare students to practice the highest ethical principles related to the field of school psychology.
4. To increase students’ understanding of the important roles played by the family, school and community environments in the development of healthy children and adolescents.
5. To develop students’ sensitivity toward individual differences as important elements in decision-making regarding academic and other issues.

6. To provide an understanding of the organization and operation of schools and school systems.
7. To develop the ability of students to solve problems related to the practice of school psychology.
8. To develop the ability of students to function as psycho-educational examiners and to perform psychological assessments and evaluations of individuals and groups.
9. To develop the ability of students to engage in crisis intervention using a mental health model.
10. To enhance the ability of students to think critically, analyze and solve problems and apply acquired knowledge.

Program Requirements

In addition to course requirements, students must demonstrate competencies associated with the earning of a master's degree. At the completion of **15-18 credit hours in the program**, students are required to apply for **Advancement to Candidacy** (See Program Guidelines). Unsuccessful candidates have the right to appeal to the Graduate Council. At the completion of **30 credit hours in the program**, students are eligible to take the **Comprehensive Examination**. This examination is designed to assess students' mastery of the program objectives. It must be completed successfully before a student receives a master's degree or begins internship. Students have one opportunity to retake the comprehensive exam if it is not passed the first time it is taken.

Transfer Credit

Up to six (6) credits may be transferred into the MA/CAS program. The courses for which transfer is sought must have been completed with a grade of 'B' or better and must be related to courses and degree requirements offered in the program. Courses accepted for transfer credit can only be viable for use to satisfy program requirements seven (7) years from the date of completion.

Core Courses

The course sequence is designed so that each student will be a member of a continuing cohort in the program.

SPSY	501	Introduction to School Psychology
SPSY	503	School-Based Consultation
SPSY	504	Psychopathology of Childhood
SPSY	505	Counseling Children in a School Setting
SPSY	507	School Assessment I
SPSY	610	School Assessment II
SPSY	509	Research Methods and Statistics
SPSY	510	Psychology of Exceptional Children
SPSY	601	Human Learning
SPSY	607	Practicum I
SPSY	608	Practicum II
SPSY	701	Psychological and Educational Interventions
SPSY	702	Seminar in Ethics and Professional Issues
SPSY	703	Cultural Proficiency in School Psychology
EDUC	507	Advanced Developmental Psychology
PSYC	739	Dynamics of Group Behavior
SPSY	805	School Internship I
SPSY	807	School Internship II

One course in curriculum theory or instructional methods – EDUC 513 or SPED 520.

One course in special topics or thesis (SPSY 800).

Thesis/Non-Thesis Option

Students may elect to complete a thesis or conduct a direct intervention case study under the supervision of faculty.

Field Experiences

Practicum: Students enroll in a full year practicum course that includes a placement in a local school system under the supervision of a certified school psychologist. This takes place during the second year of the program.

Internship: Students are eligible to apply for internships after successful completion of all required coursework and the practicum. The 1200-hour internship is the culminating experience of the program and is completed on a full-time basis for one year.

Praxis II

Students are required to take this examination in school psychology during the internship year.

DEPARTMENT OF TEACHING, LEARNING AND PROFESSIONAL DEVELOPMENT Chair: Professor Barbara Smith
DEGREE OFFERED Master of Arts in Teaching

Graduate Program Coordinator:
 Dr. Constance E. Brooks
 Room 233P, Center for Learning and Technology

The Master of Arts in Teaching Degree is awarded to MAT Program participants who complete the prescribed program of studies in pedagogy and other related courses. In addition, the students must earn a certificate from the Maryland State Department of Education (MSDE) in a certifiable subject. The Bowie State University MAT Program is a Maryland approved program through the MDSE and meets the National Council for Accreditation of Teacher Education (NCATE) standards. Additionally, as interns, participants must complete a comprehensive program of study designed to give a solid knowledge base in the teaching profession including: (1) a foundation in Cognitive Psychology to help understand how people learn; (2) Developmental Psychology to understand when students are ready to learn; (3) research on effective pedagogy to improve their quality of teaching and effectively manage classrooms; and (4) knowledge of contemporary issues in education to assist them in making ethical decisions in the school setting. Interns also complete required courses in the methods of teaching, develop techniques for working with special needs populations, acquire knowledge of application of technology, and enhance their interpersonal communications skills.

Program Goals and Objectives

Upon completion of the program, each intern will:

1. Evaluate the cognitive, emotional, and philosophical developments of children and youth;
2. Demonstrate a mastery of the knowledge of theory and practice necessary to apply Maryland’s Essential Dimensions of Teaching to the student and classroom;
3. Use appropriate techniques for integrating curriculum and instructional methods;
4. Demonstrate skills related to effective planning.
5. Structure appropriate learning environments;
6. Demonstrate effective teaching methods and best practices that address learning styles;
7. Utilize alternative approaches for changing behavior and increasing achievement of students;
8. Conduct research and annotate research studies related to schools, classrooms, teachers, youth and parents, and
9. Demonstrate proficiency in a certifiable subject area.

Admission to the Program

To be admitted for the Graduates Studies program at Bowie State University, the applicants must hold a Bachelor’s degree from a regionally accrediting association. In addition, the student must present a transcript with a cumulative grade point average (GPA) of 2.5 or better (on a 4.0 scale).

Students requesting admission to the MAT Program must complete an application and submit it to the Department of Teaching, Learning and Professional Development (TLPD). In addition, applicants to the MAT Program must submit proof of the following.

1. A Bachelor's degree
2. A 3.0 overall (GPA) in the undergraduate major courses
3. Passing scores on the PRAXIS I: Academic Assessments Tests.

If all of the above criteria are met, students can be admitted unconditionally. However, a student may be admitted conditionally based on a case-by-case evaluation. Admission is at the discretion of the MAT Coordinator.

The Master of Arts in Teaching program consists of the following **36 or 42** semester hours:

EDUC	501	Learning and Teaching
EDUC	510	Tests and Measurements
SPED	511	Perspectives in Special Education
EDUC	532	Classroom Practices and Procedures
EDUC	543	Curriculums and Technology
EDUC	544	Principles and Techniques of Reading Instruction (All students)
EDUC	545	Reading in the Content Area (Secondary and Elementary Education) Reading Acquisition (Early Childhood/Special Education)
EDUC	601	Research Methods and Skills
EDUC	633	Children's Literature (Elementary and Early Childhood/Special Education)
EDUC	646	Diagnostic, Corrective and Remedial Reading (Elementary and Early Childhood/Special Education)

Internship I and Methods I (Only select one three credit course)

EDUC	705	Supervised Internship I: Perspectives and Methods I (Elementary Education)
EDUC	707	Supervised Internship I: Perspectives and Methods I (Secondary Education)
EDUC	708	Supervised Internship I: Perspectives and Methods I (Early Childhood/Special Education)
EDUC	704	Perspectives and Methods in Teaching II

Internship II (Only select one six credit course)

EDUC	807	Supervised Internship II in Elementary Education
EDUC	808	Supervised Internship II in Secondary Education
EDUC	809	Supervised Internship II in Early Childhood/Special Education

Elementary Education and Early Childhood/Special Education students must complete nine (9) additional credits of graduate level courses in reading. Secondary Education students must complete (3) additional credits of graduate level courses in reading.

Total	36 Credits – Secondary Education
	42 Credits – Elementary Education and Early Childhood/Special Education

DEPARTMENT OF TEACHING, LEARNING AND PROFESSIONAL DEVELOPMENT Chair: Professor Barbara Smith
DEGREE OFFERED Master of Education in Elementary Education

Graduate Program Coordinator:
 Dr. Marion Amory
 Room 233L, Center for Learning and Technology

The concentration area of Elementary Education is designed to serve those elementary school teachers who wish to remain in the classroom as master teachers. Some Elementary Education graduates go on to become mentor teachers. The 30-hour program consists of 24 hours of core content and six (6) hours of electives from professional areas.

Admission to the Program

The applicant must meet the general admissions criteria for the Graduate School. In addition, the program in elementary education requires that all individuals majoring in elementary education hold a current Professional Certificate certifying eligibility to teach in the elementary school.

Objectives of the Program

The graduate elementary education student will:

1. Identify, develop and demonstrate knowledge of instructional best practices in the field of elementary education.
2. Demonstrate and articulate an increased comprehension of the psychological foundations and their implications for education, as applied to current educational problems.
3. Demonstrate research knowledge and skills necessary to plan and complete a seminar paper as defined by Bowie State University.
4. Demonstrate competence in the management and use of information systems and computers.
5. Identify and assess programs, which have been shown to be effective in working with handicapped, high risk and other categories of diverse students.
6. Understand and apply state and national standards, as espoused by the Learned Societies, to all areas of the curriculum.
7. Understand and apply the five Core Propositions advocated by the National board of Professional Teaching Standards, throughout the curriculum.
8. Understand Best Practice in the area of performance assessment in all content area curricula.
9. Understand current brain research as it relates to teaching and learning.
10. Demonstrate high levels of the professional knowledge and dispositions that are embedded within the graduate program and that allows functioning as academic scholars and effective practitioners.

Degree Requirements

The requirements of the degree program include the completion of: 30 credit hours, a written Comprehensive Examination, and a written seminar paper. The written Comprehensive Examination may not be taken before the student has completed a minimum of 24 credit hours. Before enrolling in the final course EDUC 863 Seminar in Elementary Education, the student must have been advanced to candidacy and passed the written Comprehensive Examination.

Transfer credits

Up to twelve (12) credits may be transferred into the Master of Education program. The courses for which transfer is sought must have been completed with a grade of 'B' or better and must be related to courses and degree requirements offered in the program. Courses accepted for transfer credit can only be viable for use to satisfy program requirements seven (7) years from the date of completion.

The program consists of the following eight (8) core courses:

EDUC 505	Recent Issues in Education
EDUC 706	Introduction to Research
EDUC 610	Technology in Education
EDUC 534	Advanced Teaching of the Language Arts
EDUC 536	Advanced Teaching in Mathematics
EDUC 535	Elementary School Science or
EDUC 538	Advanced Teaching of Social Science
EDUC 836	Elementary Education Seminar
EDUC 645	Reading in the Content Fields

Total **24 Credits**

Two (2) Elective Courses from the following

EDUC 501	Learning and Teaching
EDUC 507	Advanced Human Growth and Development
EDUC 513	Curriculum Change and Instructional Methods
EDUC 531	School Curriculum Development
EDUC 532	School Classroom Practices and Procedures
EDUC 633	Literature for Children
EDUC 539	Curriculum Materials and Appraisal
EDUC 544	Techniques and Principles of Reading Instruction
PSYC 603	Mental Hygiene of Children and Youth
SPED 511	Special Education Perspectives

Total **6 Credits**

DEPARTMENT OF TEACHING, LEARNING AND PROFESSIONAL DEVELOPMENT Chair: Professor Barbara Smith
DEGREE OFFERED Master of Education in Reading Education

Graduate Program Coordinator:
 Dr. Lucille Strain
 Room 233H, Center for Learning and Technology

The graduate program in Reading Education leads to a Master of Education degree with a concentration in reading. The program is designed to enable graduates to meet the qualifications of several career options. Principal among these options is the career of diagnostic and remedial-reading specialist. Classroom teachers are prepared to meet responsibilities required in teaching developmental reading and reading in content areas more effectively. Candidates in the program are helped to understand the significance of various competencies and their development for implementation of a total-school approach to reading instruction for the variety of populations found in the schools.

Admission to the Program

Admission to the Graduate School and certification at any level of schooling are required for admission to the program. Through consultation with an advisor, candidates will learn if their career experiences are suitable for beginning a graduate program in reading education. Problems related to acquiring proper sequence can be solved by consultation with an advisor.

Objectives of the Program

As a result of meeting the requirements of the graduate reading education program, candidates demonstrate knowledge, understanding and competencies related to:

1. Helping students develop lifelong reading habits;
2. Promoting literacy in a technologically oriented society;
3. Developing literacy programs in classrooms and schools;
4. Implementing various approaches to reading and whole-language instruction;
5. Individualizing instruction in classroom and clinical settings;
6. Measuring and evaluating all aspects of literacy development;
7. Involving parents and community in development of literacy;
8. Designing and implementing staff development for improvement of literacy in school settings;
9. Fulfilling various roles required of the diagnostic-remedial reading specialist;
10. Analyzing and using published reading research results;
11. Recognizing the “teacher as researcher” perspective;
12. Participating in relevant professional organizations;
13. Administering a literacy development program, and
14. Keeping abreast of the latest research findings.

Certification Requirements

Completion of the Master's degree with concentration in reading, with three years teaching experience, prepares an individual to meet certification requirements as a reading specialist in the State of Maryland.

Semester-hours of credit required in the Program

Completion of the Graduate Reading Education Program requires thirty-nine semester hours of credit. The 39 semester-hour program includes a minimum of 27 semester hours in the core program of reading education, nine (9) semester hours of coursework in related fields, and three (3) semester hours of recommended electives in reading and other language arts designed to meet individual needs and interests. Numbers and names of courses follow:

EDUC	544	Principles and Techniques of Reading Instruction
EDUC	645	Reading in Content Fields
EDUC	646	Diagnostic, Corrective and Remedial Reading
EDUC	647	Current Issues in Reading
EDUC	749	Laboratory Experiences in Diagnosis, Correction and Remediation of Reading Difficulties: Practicum
EDUC	751	Seminar in Reading (Seminar Paper Required)
EDUC	534	Problems of Teaching The Language Arts
EDUC	653	Teaching Reading to Multicultural Populations
EDUC	650	Measurement and Evaluation in Reading

Electives in Reading and Other Language Arts

One elective should be selected from the following language arts or reading education courses: (Other electives may be acceptable with special permission.)

EDUC	648	Teaching Reading in Secondary Schools
EDUC	633	Literature for Children
EDUC	501	Issues in Early Childhood Education
SPED	511	Special Education Perspectives
SPED	626	Reading and Language Development

Other Required Courses

EDUC	706	Introduction to Research
PSYC	603	Mental Hygiene or
PSYC	529	Personality Theory
EDUC	507	Human Growth and Development or
PSYC	612	Educational Psychology

Admission to Candidacy

Students must apply for admission to candidacy at the completion of fifteen semester hours. Application procedures are found on line. See an advisor for further details.

Comprehensive Examination

A written Comprehensive Examination is required. This examination embraces questions related to research and theory must be answered. Candidates can select three other questions from concepts and understandings resultant from the entire program. Thus, each candidate will answer a total of five questions. Answers are written in expository style using the computers in a designated computer laboratory.

On-Line Courses

Several courses in the Graduate Reading Education Program are on line. See an advisor for details.

DEPARTMENT OF TEACHING, LEARNING AND PROFESSIONAL DEVELOPMENT Chair: Professor Barbara Smith
DEGREE OFFERED Master of Education in Secondary Education

Graduate Program Coordinator:
 Dr. Bruce Crim
 Room 233Q, Center for Learning and Technology

The Secondary Education program is designed to serve those secondary school teachers who desire to remain classroom teachers. The goal of the program is to provide the classroom teacher with the expertise, knowledge, and skills to become a Master Teacher.

There are four areas of specialization: (a) academic content major, (b) curriculum specialist, and (c) mathematics. The Master of Education degree program requires the completion of: 33 semester hours, a written Comprehensive Examination and a seminar paper.

Admission to the Program

Applicants must be admitted to the Graduate School and must present proof of holding a current professional teaching certificate certifying qualifications to teach an appropriate area of specialty.

Program Objectives

The program makes provisions for the student to acquire:

1. Broad knowledge of school curriculum;
2. An in-depth understanding of current issues in secondary education;
3. Knowledge of principles of teaching and learning related to classroom practices, procedures, and assessment;
4. Knowledge and skills of classroom management and supervision;
5. Knowledge and skills related to school community relations;
6. Increased comprehension of the foundations of secondary education;
7. An interdisciplinary conceptualization of the role of the school and the society it serves, including special needs, multicultural and global populations;
8. Skills in research techniques and the use of various forms of assessment in the interpretation and evaluation of best practices as they relate to secondary education;
9. Technological knowledge and skills related to curriculum design and implementation;
10. Ability to interpret the curriculum to students and parents and to involve parents and students in the process of curriculum change;
11. Skills in recognizing the importance of being a reflective practitioner and the value of theory in practice; and
12. Skills as a mentor teacher to assist others in developing effective teaching strategies.

Degree Requirements

An area of specialization within secondary education must be selected. The student in consultation with his/her graduate advisor should make the selection of an area of specialization. The program includes: a total of 33 semester hours; a written Comprehensive Examination; and, a written research paper.

The written Comprehensive Examination may not be taken until the student has completed a minimum of 24 semester hours. Before an individual may take the final course, EDUC 540 Seminar in Secondary Education, the student must have been advanced to candidacy and have passed the written Comprehensive Examination.

Areas of Specialization

I. Academic Content Field

Four courses of electives in an elected content area (up to 12 hours may be transferred)

EDUC 501	Learning and Teaching
EDUC 706	Introduction to Research
EDUC 531	School Curriculum Development
EDUC 527	School Law
Two (2) Electives	
EDUC 540	Seminar in Secondary Education

Total **33 Credits**

II. Curriculum Specialist

EDUC 501	Learning and Teaching
EDUC 505	Recent Issues in Education
EDUC 706	Introduction to Research
EDUC 513	Curriculum Change and Instructional Methods
EDUC 531	School Curriculum Development
EDUC 522	School Administration
EDUC 527	School Law
EDUC 539	Curriculum Materials and Appraisal
EDUC 540	Seminar in Secondary Education
EDUC 557	School Supervision
One Elective	

Total **33 Credits**

III. Secondary Mathematics

EDUC 501	Learning and Teaching
EDUC 706	Introduction to Research
EDUC 531	School Curriculum Development
EDUC 540	Seminar in Secondary Education
MATH 501	Transition to Abstract Mathematics
MATH 502	Introduction to Abstract Algebra
MATH 503	Euclidean and Non-Euclidean Geometries
MATH 507	History of Mathematics

Two education electives from the following:

EDUC	503	Statistical Methods in Education
EDUC	505	Recent Issues in Education
EDUC	527	School Law
EDUC	510	Tests and Measurements
EDUC	532	Classroom Practices and Procedures
EDUC	567	The Middle School
EDUC	576	The Talented and Gifted

Two mathematics electives from the following:

MATH	504	Introduction to Number Theory
MATH	505	Overview of College Mathematics
MATH	506	Software and Technology for Mathematics
MATH	508	Probability and Statistics
MATH	509	Linear Algebra
MATH	510	Introduction to Analysis
MATH	511	General Topology

Total **36 Credits**

DEPARTMENT OF TEACHING, LEARNING AND PROFESSIONAL DEVELOPMENT Chair: Professor Barbara Smith
DEGREE OFFERED Master of Education in Special Education

Graduate Program Coordinator:
 Dr. Thelon Byrd, Jr.
 Room 233G, Center for Learning and Technology

The Graduate Special Education program is based on a conceptual framework, which focuses on the following perspectives: Academic Scholar, Reflective Practitioner, and Professional Dispositions. The preparation of skilled and knowledgeable practitioners who understand reflective and inquiry-based teaching is also emphasized. The program is based on the notion that all children and youth can achieve. Graduate students learn that assessment drives instruction.

The program is designed to produce teachers who understand the purposes of education as well as the methods and strategies of teaching. Another major program emphasis is placed on preparing students to reason soundly about their teaching, as well as to perform skillfully and continuously monitor children's learning.

The program further provides the student with a foundation for the teaching and management of children and youth with disabilities based on current knowledge, research, and practice in the field. Action research is emphasized to document the efficacy of teaching methodology. The student is expected to demonstrate an understanding of children and youth with disabilities relative to their cultural, emotional, social, academic and cognitive transition from school to adult environment, and physical needs. Students become proficient in the use of computer technology, and application of behavior management. As an extension of the inclusion model, students learn to work collaboratively with other staff members in an interactive process in order to generate creative solutions to mutually defined problems.

The program is generic in nature and focuses on children and youth with mild and moderate disabilities from elementary through middle school (grades 1-8). The program consists of 36 credit hours grouped sequentially to provide the student with a hierarchy of knowledge and skills. The program requires three field-based experiences. The first practicum experience occurs during SPED 511, Special Education Perspectives, where students are required to perform 25 hours of observation and class-based participation. The second field experience occurs in the form of Practicum 1, a fifteen-week full-time school experience, which will take place after the student completes the first five courses of the program. Practicum II, another fifteen-week full-time school experience, occurs at the end of the program and is the culminating experience in the graduate program.

Degree Requirements

All prospective graduate special education students whose undergraduate degrees are not in the field of education are required to complete foundation courses. The exact number of courses required is based on an evaluation of each student's transcript. The student's advisor will conduct transcript evaluations.

Students are required to have three semester hours in Human Growth and Development prior to entry into the program, maintain a 3.25 average during the program, and pass a written Comprehensive

Examination prior to graduation. Students are also strongly encouraged to take the Praxis I, the core battery, during the first 15 hours of their program and Praxis II, the specialty portion during the second half of their program.

Program

SPED	511	Special Education Perspectives (required first course)
SPED	545	Computers and Technology in Special Education
SPED	522	Behavioral Intervention and Classroom Management (Prerequisite SPED 511)
SPED	520	Instructional Methods and Curriculum Planning (Prerequisite: SPED 511)
SPED	649	Partnerships and Lifestyles (Prerequisite: SPED 511)
SPED	615	Practicum I in Special Education (taken after 15 credits listed above)
SPED	602	Math, Science and Social Studies Curriculum (Prerequisites: SPED 511, 615, 520, 522)
SPED	626	Language and Reading Development (Prerequisites: SPED 511, 520, 522, 615)
SPED	629	Interdisciplinary Team: Assessment, Communication, and Intervention (Prerequisites: SPED 511, 520, 522, 615, 507, 649, 602 and 626)
EDUC	706	Introduction to Research (Prerequisites: SPED 511, 520, 522, 615, 507, 649, 602 and 626)
SPED	730	Seminar in Special Education (taken semester prior to SPED 716)
SPED	716	Practicum II in Special Education (last course)

Total **36 Credits**

Program Goals

The student shall:

1. Demonstrate knowledge and skills related to the philosophical, historical, and legal foundations of special education.
2. Demonstrate knowledge and skills related to characteristics of learners with and without exceptional learning needs, including those from culturally and linguistically diverse backgrounds; the implications of those individual difference; and the effects of the child's cultural milieu.
3. Demonstrate knowledge formal assessment instruments used for identification of disability and of informal assessment, diagnosis, and evaluation procedures (academic, cognitive, communicative, social- emotional, and physical) used for IEP development and ongoing instructional revision. The use of performance-based assessment data is emphasized to monitor ongoing educational progress and to guide instructional decision-making.
4. Demonstrate knowledge and skills of both general and special curricular necessary to develop instructional content and appropriate practice in response to individual needs of learners.
5. Demonstrate the knowledge and use of best practices and technology for effective management and modification of teaching and learning environments to accommodate individual learning needs.
6. Demonstrate knowledge and skills related to managing student behavior and the support of intercultural social interaction skills development.
7. Demonstrate appropriate communication with parents and students from diverse backgrounds in order to assist them in becoming active collaborators in the educational partnership.

8. Demonstrate knowledge of effective collaboration approaches among professionals, community and family members and particularly between general and special education professionals.
9. Exhibit knowledge of the importance of teachers as models of professionalism and ethical practice and demonstrate commitment to developing the highest potential of individuals with exceptional learning needs.
10. Design, conduct, analyze and apply various types of research.
11. Use reflection as a means of judging the effectiveness of their performance.
12. Demonstrate knowledge of educational applications of current technology.
13. Articulate problems and issues that cut across cultural, economic, political, and technological systems are interconnected. Students will also identify the differences and commonalities that exist in various global perspectives and the ways they shape education today.

DEPARTMENT OF EDUCATIONAL STUDIES AND LEADERSHIP
Chair: Dr. Barbara Talbert Jackson
DEGREE OFFERED
Master of Education in School Administration and Supervision

The Department of Educational Leadership offers the Master of Education Degree in School Administration and Supervision and the Doctor of Education in Education Leadership. The master's degree program integrates the Maryland State Department of Education Standards and the Interstate School Leadership Licensure Consortium Standards (ISLLC). The Department's programs are designed to produce competent and caring educators who become skillful and reflective instructional leaders in the schools and communities they serve. The graduate programs provide opportunities for candidates to clarify personal values and goals and develop a dynamic philosophy of education. Candidates develop positive attitudes about life-long learning and demonstrate an appreciation for the professional responsibilities of educators, both ethical and legal. Through its programs, the Department promotes a respect for the diversity of learners in contemporary schools that foster a belief to serve all learners in the quest to achieve their maximum potential.

The Department's mission is embedded in the conceptual framework to produce educators who are able to use attained knowledge about subject matter, teaching/learning, and students to create rich, exciting, learning environments for all learners. Thus, the Department's graduate is a competent and caring educator who works in a diverse world. They are academic scholars, skillful instructional leaders, and reflective practitioners in the schools and communities they serve.

Graduate Program Coordinator:

Dr. Christopher Sny

Room 267, Center for Learning and Technology

The Master of Education in School Administration and Supervision is designed to prepare school personnel for positions as school principals and/or instructional supervisors. The program is accredited by the National Council for Accreditation of Teacher Education (NCATE) and meets the Maryland State Department of Education certification requirements. The program leads to full certification as a Level I principal and supervisor in grades Pre K-12. Emphasis is placed on the role of the principal and the supervisor with regard to leadership, organization, communication, and change and sustenance of existing systems as they pertain to human, technical and managerial skills. The program provides scientific approaches to identifying and solving problems school administrators and supervisors face in the educational setting. Skills and experiences necessary to assume leadership roles in school administration and supervision are provided in the program.

Admission to the Program

Applicants should submit a completed application to Graduate Admissions, Office of Enrollment. The application must include a resume of professional experiences and proof of the following:

1. A bachelor's degree that included appropriate education pedagogy
2. Certification at the appropriate grade level
3. Three years of successful teaching experience
4. A letter of recommendation from the applicant's present supervisor
5. A grade point average of 2.5 on a 4.0 scale

Program Goals and Objectives

The program makes provisions for the candidate to acquire:

1. Broad knowledge of school curriculum
2. Skill sets essential to guiding classroom instructional practices and procedures
3. Administrative and supervisory knowledge and skills
4. Knowledge and skills related to group dynamics
5. Knowledge and skills related to school community relations
6. Knowledge of school law
7. Increased comprehension of the foundations of education
8. An interdisciplinary conceptualization of the role of the school and the society it services
9. Skills in research techniques in the interpretation and evaluation of research developments related to school administration and supervision

The following specific program objectives have been formulated to enable the student to develop in the following ways:

1. Acquire broad and comprehensive knowledge of leadership
2. Acquire knowledge of the current principles of learning as they are applied to classroom practices, procedures, assessment and management
3. Acquire knowledge of traditional and technological techniques, practices, and procedures related to personnel utilization and management
4. Acquire a broad and comprehensive knowledge of group dynamics which emphasizes personal and interpersonal skills in problem-solving and decision-making
5. Acquire knowledge of techniques, practices, and procedures related to supervision
6. Acquire knowledge of how the curriculum is developed, organized, implemented, and evaluated
7. Acquire an understanding of the necessity of and the procedures for developing and maintaining an effective school community
8. Demonstrate the ability to work as a member of a group in applying problem-solving skills as they are related to case studies in education
9. Acquire skills in research techniques and the use of various forms of assessment in the interpretation and evaluation of best practices in school administration and supervision
10. Acquire a broad knowledge of leadership and the importance of reflections and theory in determining practice
11. Demonstrate skills in the accumulation and preparation of material designed to evaluate the educational program of a school
12. Acquire increased understanding of/or pursue special interests in other disciplines to better comprehend the function of curriculum and instruction
13. Acquire legal concepts and developments related to the professional lives of public school teachers and administrators
14. Acquire and demonstrate the traditional and technological knowledge and skills necessary for the fiscal management of a school
15. Acquire an increased comprehension of the psychological and philosophical foundations and implications of education as they apply to current educational problems
16. Demonstrate skills in gathering and analyzing educational research
17. Demonstrate the application of research knowledge and skills by planning and writing a seminar paper as defined by the School of Education, Bowie State University
18. Acquire an increased comprehension of the historical and sociological foundations and implications for education as they apply to current educational problems

19. Acquire and demonstrate the knowledge and skills necessary to incorporate technology in instruction and administration
20. Acquire an interdisciplinary conceptualization of the role of the school and the society it serves, including special needs and multicultural and global populations
21. Demonstrate the ability to interpret the curriculum to students and parents and to involve parents and students in the process of curriculum change

The program consists of the following 41 semester hours:

Core Courses

ESAS	722	School Administration
ESAS	757	School Supervision
ESAS	727	School Law
ESAS	731	School Curriculum Development
ESAS	706	Introduction to Research
ESAS	704	School and Community Relations
ESAS	724	Public School Finance
ESAS	825	Seminar I in School Administration and Supervision**
ESAS	855	Practicum I for Administration and Supervision**
ESAS	828	Seminar II in School Administration and Supervision **
ESAS	858	Practicum II for School Administration and Supervision**

Electives (4 courses from this list)

ESAS	720	Problems and Techniques in Contemporary Education Management
PSYC	739	Dynamics of Group Behavior
ESAS	713	Curriculum Change and Instructional Methods
EDUC	505	Recent Issues in Education
EDUC	501	Teaching and Learning
EDUC	539	Curriculum Materials and Appraisal
EDUC	544	Principles and Techniques of Reading Instruction

Total **41 Credits**

Culminating courses: The student must have completed all coursework and satisfactorily passed the Comprehensive Examination before admission to these courses.

Overview

The student normally takes School Administration, and School Supervision, as basic courses; followed by School Law, School and Community Relations, the curriculum courses, School Finance, and Introduction to Research. Upon completion of 24 hours, excluding Seminars I and II in School Administration and Supervision, and Practicums I and II for Administration and Supervision, and Advancement to Candidacy, the student will be eligible to sit for the Comprehensive Examination. Upon successful completion of the Comprehensive Examination, students are eligible to register for the concluding seminar and practicum courses.

**Maryland State Department Of Education Administrator I Certification
In Educational Administration**

In accordance with Code of Maryland Regulation 13A.12.04 B requirements for certification in the State of Maryland as Administrator I, Bowie State University allows teachers who meet the specified qualifications to take the courses that are within the Master of Education in School Administration and Supervision program to fulfill the COMAR requirements.

Certification Requirements

This program is offered for those graduate students who have both a:

- A. Masters Degree from an accredited institution and
- B. Twenty-seven (27) months of satisfactory teaching performance or satisfactory performance as a specialist as defined in COMAR 13A.12.03

The Bowie State University sequence of courses which match the requirements of Code of Maryland Regulation 13A.12.04B* are:

- | | |
|--------------------------|----------------------------|
| 1. School Administration | (3 Credit Hrs.) |
| 2. Clinical Supervision | (3 Credit Hrs.) |
| 3. Curriculum Design | (3 Credit Hrs.) |
| 4. Group Dynamics | (3 Credit Hrs.) |
| 5. School Law | (3 Credit Hrs.) |
| 6. Practicum/ Internship | (4 Credit Hrs/2 semesters) |

*COMAR requires twelve semester hours of the total required shall be taken at the same institution

DEPARTMENT OF EDUCATIONAL STUDIES AND LEADERSHIP
Chair: Dr. Barbara Talbert Jackson
DEGREE OFFERED
Doctorate of Education in Education Leadership

Graduate Program Coordinator:

Dr. Barbara Talbert Jackson

Room 270, Center for Learning and Technology

The doctoral program is designed to prepare leaders who, as facilitators of learning, become change agents in the cultural, economic, social, and educational environments of society. The mission of the doctoral program in education leadership is to develop leaders who have the vision and skills to move the American educational system to prominence in the establishment of schools for the twenty-first century. Program goals and objectives are accomplished through innovative partnerships that create a consortium of learners that includes the candidate, University faculty, practicing educational administrators, and community leaders.

The doctoral program requires a minimum of 60 semester hours, including 48 hours of coursework, six hours of internship, and a minimum of six hours in dissertation research. As part of the course of study, candidates develop a concentration in an area supportive of the candidate's research and career interests and goals. Students must successfully pass the Comprehensive Examination as a precondition to Advancement to Candidacy. All candidates must successfully complete and defend a dissertation.

Program Goals and Objectives

Program objectives are consistent with the Interstate School Leaders Licensure Consortium Standards. Thus, the doctoral program in education leadership provides candidates with the skills, knowledge and understanding to:

1. Promote the success of all students by facilitating the development, articulation, implementation, and stewardship of a vision of learning that is shared and supported by the school community;
2. Promote the success of all students by advocating, nurturing, and sustaining a school culture and instructional program conducive to student learning and staff professional growth;
3. Promote the success of all students by ensuring management of the organization, operations, and resources for a safe, efficient, and effective learning environment;
4. Promote the success of all students by collaborating with families and community members, responding to diverse community interest and needs, and mobilizing community resources;
5. Promote the success of all students by acting with integrity, fairness, and in an ethical manner; and,
6. Promote the success of all students by understanding, responding to, and influencing the social, economic, legal and cultural context of American schools.

The goals of the doctoral program address the following endeavors:

1. Implement efforts to identify and recruit into the doctoral program representatives from groups currently under-represented in school leadership positions;
2. Promote the acquisition of knowledge and skills by program candidates necessary to successfully interact with students from diverse populations;

3. Ensure program candidates possess the skills to assess and interpret community values, aspirations, and to recognize the social, political, and cultural context of schooling;
4. Ensure program candidates are able to articulate a well conceptualized and educationally defensible position on such issues as educational equity, equal opportunity, access, and the moral and ethical dimensions of schools;
5. Attract program faculty who understand the importance of maintaining collaborative relationships with practicing school administrators as a means to ensure program objectives, content, and instructional activities are germane and attentive to the highest priority of current and future school leaders;
6. Develop and sustain a program curriculum and other instructional activities designed to assure candidates acquire the knowledge and managerial leadership skills required of school leaders of senior status; and,
7. Promote efforts among faculty and other educational leaders associated with the program to stay abreast of current research, theory, trends, and issues relevant to school leadership.

Admission to the Doctoral Program

Application to the doctoral program in Education Leadership requires evidence of the following:

- A master's degree in school administration or a closely related field;
- At least three years of recent successful administrative experience in an elementary or secondary school setting;
- A satisfactory score on the Millers Analogy Test or the Graduate Record Examination. Scores must be less than five years old;
- At least three professional recommendations from persons who can attest to the applicant's work experience; and,
- An overall GPA of 3.5 (4.00 scale) on previous graduate studies.

In addition, applicants must:

- Submit a completed doctoral program application form with a non-refundable application fee;
- Submit one official transcript from each higher education institution attended. Only sealed transcripts received directly from the college or university are considered official;
- Submit a letter of application addressing in detail the applicant's interest in the doctoral program, prior administrative experience, and aspirations as an educational administrator; and,
- Submit a current vita of career experiences.

Application materials are available from the Department of Educational Leadership or from the Office of Graduate Admission.

Doctoral Courses

EDAD 801	Philosophy and Historical Foundations of Urban Education	3 credits
EDAD 810	Descriptive and Inferential Statistics in Education	3 credits
EDAD 815	Educational Planning and Evaluation	3 credits
EDAD 820	Human Resource Development and Administration	3 credits
EDAD 825	Advanced School Law	3 credits
EDAD 830	Educational Government and Political Studies	3 credits
EDAD 835	Research Designs and Methods	3 credits
EDAD 840	Leadership with Technology in a Global Information Age	3 credits

EDAD 845	Managing Financial Resources in Urban Education	3 credits
EDAD 850	Interdisciplinary Seminar	3 credits
EDAD 900	Dissertation I	3 credits
EDAD 910	Applied Research Seminar	3 credits
EDAD 920	Externship in Educational Leadership	3 credits
EDAD 925	Externship in Educational Leadership	3 credits
EDAD 950	Dissertation II	3 credits
Electives/Concentration (Four Courses)		12 credits

COLLEGE OF PROFESSIONAL STUDIES

Dr. Antoinette Coleman, Dean

The College of Professional Studies offers graduate programs leading to the Master of Arts in the areas of human resource development and administrative management, a Master of Science in management information systems and nursing, and the Master of Business Administration, and the Master of Public Administration. The College of Professional Studies includes the departments of Behavioral Sciences and Human Services, Business, Public Administration and Economics, Psychology, Social Work and Nursing.

Department of Behavioral Sciences

Dr. Elliott Parris, Dean

COLLEGE OF PROFESSIONAL STUDIES Chair: Dr. Antoinette Coleman
DEGREE OFFERED Master of Arts in Human Resource Development

Graduate Program Coordinator:
 Dr. Marsha Jackson
 Room 360 Center for Learning and Technology

Human Resource Development (HRD) Practitioners are in high demand to help organizations and individuals improve their performance. In this age of global expansion, there is an ever increasing need for those who can teach others to effectively manage relationships, the core of organizational potential, as a gateway to improving organizational performance from the individual, team, and structural levels. The Master of Arts Human Resource Development Program prepares future and current HRD practitioners to maximize their knowledge, skills, and abilities in the full range of competencies required for improving organizational and human performance.

From an adult learning perspective, the Human Resources Development (HRD) Program provides the broadest interpretation of human resource development, linking it to concepts and principles associated with individual, group and organizational performance improvement. Emphasis is placed on training, consulting, curriculum design, leadership development, human resource management, strategic planning, adult education, technology, and development of human resources from an individual, organizational, and community level. It is inclusive of the assessment, design, delivery, implementation and evaluation of programs aimed at meeting the needs of employees and organizations. Incorporated within this program design are management disciplines, such as organizational behavior, organizational development, and human resource management, which further enhance the skills, knowledge, and behavior of the learner.

Our curriculum is designed to meet our industries general and specific goals in the development of individuals and organizations. Our established course applications are used by private and public entities of all sizes and we know how to develop your specific competencies that will make this practitioners field of study work for you. This program provides an in-depth examination of theory, principles and applications in human resource development. It is focused on practitioners who function in a variety of contexts, including private industry, government agencies, non-profit organizations, corporations, educational institutions, military, health care organizations, and professional and voluntary associations. Program graduates will be able to assist business, industry and government in increasing productivity through improved human resource development and management interventions and practices. This program provides learners with the opportunity to share professional experiences with peers and to apply learned skills in organizational settings. The program combines lecture and experiential learning applications based upon appropriate concepts that individuals can apply in practical situations. For individuals who are interested in starting their own businesses or freelance as internal or external consultants, our HRD program maximizes your professional skills and experiences to directly connect your human resource development strategies to individual and organizational needs.

Our proven development curriculum processes ensure effective outcomes that result in learning through demonstrative applied applications. Our program instructors were specifically selected based on their expertise and understanding of the field of human resource development. We continually evaluate our effectiveness based on the facilitator's ability to create a positive learning environment and

the ability to transfer meaningful human resource development related experiential learning experiences and information to the learner. As a result, you are insured an academic experience that will properly prepare you for success in the field of human resource development. This is inclusive of consulting, training, organizational development, human resource management, leadership and career development. You can gain the confidence and competence to guide you on your way to success as an HRD practitioner in our accelerated and traditional program offerings.

We offer an accelerated track in which learners can complete their degree within 12 to 15 months or follow the program at a less accelerated pace and complete the program within a two-year period. The program is offered during the evening to accommodate working adults and may be pursued on a full-time or part-time basis. Both traditional and on-line courses are available. Courses are scheduled weekly with two eight-week sessions per semester. **Learners** should consult with an academic advisor to ensure proper sequencing of courses as there are advanced courses that require certain prerequisites. Thirty-nine credit hours must be completed to meet the degree requirements.

The Mission and Goals of the Human Resource Development Program

The Human Resource Development (HRD) program is designed to exemplify the highest standard of facilitating a learning process that enhances the skills, knowledge, and behaviors of the student population so they are able to compete professionally in an effective manner as an HRD practitioner. Thus, the goals of the HRD program are to:

1. Model exemplary practices that create a supportive environment in which the social, emotional, cognitive and physical needs of students are met in order to assure that they become effective practitioners in the field of HRD;
2. Provide practicum sites in which students have opportunities to apply human resource development practices, implement and evaluate innovative ideas, and demonstrate their abilities as practitioners;
3. Provide students with an andragogical knowledge base grounded in theoretical and scientific research, allowing the student to apply principles and practices of human resource development; develop, design, implement, and evaluate appropriate training in classrooms and organizational settings using a variety of instructional strategies and media;
4. Ensure that students have an experiential, participatory education for the purpose of enabling them to increase their knowledge and express their intellectual abilities through the practical application of their knowledge in the human resource development profession;
5. Foster the individual professional growth of HRD practitioners through collaborative exploration, development, and application of the knowledge based on exemplary practices and field experience locally and internationally; and
6. Work with students throughout the program to ensure that assessments, research projects, and feedback support their individual professional growth.

Admission to the Program

Applicants must hold a bachelor's degree from an accredited institution and have a grade point (GPA) average of 2.5 or better (on a 4.0 scale). Students with strong writing and communication skills are encouraged to apply. Students not meeting the minimum GPA requirements may be admitted conditionally with the approval of the committee.

Degree Requirements

The program requires:

- a total of 39 semester hours which includes a
- a seminar (topical) paper; and
- a written, qualifying/Comprehensive Examination.

The written Comprehensive Examination may not be taken until the individual has advanced to candidacy with a grade point average of 3.25 in the first 12-15 credits and has completed a minimum of 27 semester hours.

Sample Full Time Schedule Sequence—Accelerated Program

(Full time students can complete the program within a 15-18 month calendar schedule – A total of ten courses and three electives [E])

Summer

(Choose Four Courses)

1st Summer Session

HURD 690	Adult Learning
HURD 608	Career Development [E]
HURD 668	Technology Use in HRD [E]

2nd Summer Session

HURD 620	Principles of Management [E]
HURD 748	Leadership Development [E]
HURD 700	Special Topics: Int'l Study*

Fall

(Choose 4 Courses)

1st Eight Weeks

HURD 601	Human Resource Development
HURD 732	Organizational Behavior
HURD 690	Adult Learning

2nd Eight Weeks

HURD 764	Training I
HURD 730	Consulting
HURD 806	Proposal Writing**

Winter Session

(Choose One Three-Week Course)

HURD 766	Compensation and Benefits [E]
HURD 656	Technology Use in HRD [E]
HURD 608	Career Development [E]

Spring Session

(Choose 4 Courses)

1st Eight Weeks

HURD 736	Practicum in HRD
HURD 741	Organizational Development
HURD 732	Organization Behavior

2nd Eight Weeks

HURD 765	Training II
HURD 880	Integrative Seminar
HURD 732	Consulting

*HURD 700 provides a 3 credit two-week International HRD practicum experience. Students who opt to take this practicum course are expected to meet the additional fees, which include airfare, hotel, meals, vaccinations and other preparation expenses. See your advisor for additional details.

**HURD 806 provides the students with the opportunity to develop their proposal for development a topical seminar paper. This is in preparation for HURD 880 Seminar whereby learner will complete the in depth examination of a topical area relevant to the field of study. Conducting a live human research study is not required for this program.

Department of Nursing Chair: Dr. Bonita E. Jenkins
DEGREE OFFERED Master of Science in Nursing

Family Nurse Practitioner (Master of Science)

Graduate Program Coordinator

Dr. Eleanor Walker

Room 208, Center for Learning and Technology

Family Nurse Practitioner Coordinator:

Prof. Elaine Ridgeway

Room 214, Center for Learning and Technology

The Master of Science in Nursing program prepares professional nurses for advanced practice roles and for doctoral study. Graduate education provides the student with opportunities to develop expertise and specialized knowledge in the care of clients and populations. The graduate curriculum incorporates evidence-based practice that enables nurses to participate in health policy development, research, health promotion, and management, with emphasis on diverse and vulnerable populations. We believe that the advanced practice nursing roles are integral to meeting the current and future health needs of society. With over 600 hours of clinical practice, graduates are eligible to take the American Nurses Credentialing Center and American Academy of Nurse Practitioners national certification examinations.

This program is accredited by the National League for Nursing Accrediting Commission.

National League for Nursing Accrediting Commission

61 Broadway

New York, NY 10006

Telephone:

800-669-1656 ext.153 / 212-363-5555 ext.153

800-669-1657 Fax: 212-812-0390

Department of Nursing Goals

The Department of Nursing goals are consistent with the mission of the University, and reflect the philosophy of the nursing faculty. The Department of Nursing goals are:

- Provide quality programs supportive of the learning needs of students
- Maximize opportunities to support recruitment, access, and retention efforts for students
- Promote local and regional workforce development
- Promote effective and efficient use of departmental resources
- Enhance the image of the Department of Nursing

Program Objectives

The Master of Science in Nursing program prepares graduates who will:

1. Apply theoretical models to guide advanced nursing practice designed to promote health and wellness in clients, across the lifespan.
2. Utilize theory from nursing science and related disciplines to design, implement, and evaluate intervention strategies in advanced practice nursing.
3. Use the research process to promote the development of professional nursing and to facilitate client wellness.
4. Explore strategies that may influence health policy development with an emphasis on vulnerable and underserved populations.
5. Provide leadership to improve the quality of nursing care to clients, with an emphasis on vulnerable and underserved populations.
6. Apply legal and ethical principles to implement advanced practice nursing roles.

Admission Requirements

- All candidates must have previously earned an undergraduate nursing degree (No less than one year of professional activity in the field).
- All candidates must have no less than a 2.75 cumulative GPA.
- All candidates must possess current RN licensure in the State of Maryland.
- Applicants must be granted general admission via the Bowie State University (BSU) Graduate Studies Program.
- All candidates must complete a Graduate Nursing Application from the BSU Department of Nursing. *The application can be accessed on the BSU Department of Nursing webpage via www.bowiestate.edu.*

Below is a list of the documentation required with the Graduate Nursing application. This information below must be sent with the application as one packet and returned to the BSU Department of Nursing by April 1 (fall admission) or November 1 (spring admission) to facilitate timely matriculation to the program for the semester of interest.

- Candidates must submit a copy of official undergraduate academic transcripts from each institution attended.
- Professional recommendation: Form provided in application (A reference from your immediate supervisor and two from professional colleagues)
- One copy of each of the following:
 - Current CPR certification
 - Current Maryland RN licensure verification
- A personal statement of your goals and objectives for pursuing graduate study (150-200 words, typed and double-spaced)
- A completed physical examination/health history (Form provided in application)
*** Is NOT required for submission with the application! This can be submitted upon completion of examination prior to admission!**
- Current professional resume
- Student profile sheet (Form provided in application)

All candidates who are foreign-trained nurses are required to be licensed in the State of Maryland and have their international transcripts evaluated by the World Evaluation Services (ES) or the Commission on Graduates of Foreign Nurse Schools (CGFNS). A copy of this evaluation must be submitted with your application to the program!

PROGRAM OF STUDY – MASTER OF SCIENCE IN NURSING

CORE COURSES

NURS 502	Conceptual and Theoretical Foundations for Advanced Practice Nursing (4)
NURS 509	Research in Nursing I (3)
NURS 605	Research in Nursing II (3)
NURS 730	Seminar in Critical Issues for Advanced Practice Nursing (2)
NURS 800	Thesis Advisement

SUPPORTING COURSES

NURS 604	Epidemiology (3)
NURS 607	Advanced Health Assessment (4)
NURS 608	Pharmacotherapeutics (3)
NURS 610	Advanced Pathophysiology (3)
INSS 658	Health Informatics (3)

ROLE COURSES

Family Nurse Practitioner

NURS 712-713	Primary Care I: Adult Clients (4)
NURS 714-715	Primary Care II: Women's Health, Obstetric and Pediatric Clients (7)
NURS 716-717	Primary Care III: Older Adult Clients (4)
NURS 718-719	Primary Care IV: Family Nurse Practitioner Role and Seminar (5)

Community/Public Health Clinical Nurse Specialist

NURS 720-721	Advanced Practice in Community/Public Health Nursing I (6)
NURS 722-723	Advanced Practice in Community/Public Health Nursing II (6)
NURS 724-725	Advanced Practice in Community/Public Health Nursing III (6)

(All role courses include a clinical practicum component.)

*Minimum of 3 additional research related credits may be required.

One three credit hour elective course is required in the Community/Public Health Nursing concentration

Part-time progression - completion in three (3) years

Fulltime progression - completion in two (2) years

Graduation Requirements

- Advancement to candidacy. (A grade point average of 3.25 or higher must be achieved in the first 12 credit hours of coursework in order to advance to candidacy in the graduate nursing program.)
- Successful completion of all coursework and degree requirements within a period of five consecutive years.
- Successful completion of the Comprehensive Examination.
- Successful completion of a scholarly research project or thesis.
- A grade point average of 3.0 must be maintained, after Advancement to Candidacy.

Graduate Course Description

Accounting

ACCT 510 FINANCIAL ACCOUNTING 3 CREDITS

Former course number 510 *Prerequisites:* None

The course introduces the concepts and procedures necessary for the preparation and interpretation of accounting information in the form of external accounting reports. The course will focus on the basic accounting model in order to develop the skills associated with the reading, interpreting, and analyzing of financial statements by creating an awareness of issues and problems associated with financial accounting methods.

ACCT 611 ACCOUNTING FOR DECISION-MAKING 3 CREDITS

Former course number 511 *Prerequisites:* None

Building on the MBA program course work, advanced techniques for internal decision-making by business entities are investigated and applied to case studies. Domestic and international business problems are examined with emphasis on managerial accounting principles and procedures.

ACCT 616 MANAGERIAL ACCOUNTING 3 CREDITS

Former course number 516 *Prerequisites:* None

The course is designed to provide a review of basic financial statements and methods used in their analysis, the development and use of the accounting information for management purposes, and an application of the principles to problem and case analysis.

ACCT 713 INTERNATIONAL ACCOUNTING 3 CREDITS

Former course number 613 *Prerequisites:* None

The course focuses on the current accounting issues associated with multi-national corporations, with particular emphasis on foreign currency translation and unique problems encountered in consolidation process as related to these types of business entities.

ACCT 715 TAX MANAGEMENT 3 CREDITS

Former course number 615 *Prerequisites:* None

The course examines the impact of tax legislation and regulations on the management planning process. It will include the techniques of analyzing the tax implications associated with investment consideration, acquisitions, mergers, and other related financial planning issues.

ACCT 718 ADVANCED AUDITING 3 CREDITS

Former course number 618 *Prerequisites:* None

The course is designed to focus issues relating to statistical sampling techniques, implications of replacement cost data in the audit techniques, as well as other current accounting issues associated with audit compliance procedures.

ACCT 719 CONTEMPORARY ISSUES IN ACCOUNTING 3 CREDITS

Former course number 619 *Prerequisites:* None

The course captures recent developments in all areas of accounting. The relevance, importance, practicality, and appropriateness of the respective accounting issues are examined and discussed. It is recommended that students take this course in their last semester.

Computer Science

COSC 404 SOFTWARE DESIGN AND DEVELOPMENT 4 CREDITS

Former course number 404 *Prerequisites:* Graduate Status

Fundamental techniques of computer program development using a high-level language. Topics include assignment, expression, declarations, control statements, arrays, structures, functions and subroutines, block structure, string handling, and programming methodology, including top-down design, structured programming, programming style, and debugging.

COSC 502 COMPUTER ORGANIZATION 3 CREDITS

Former course number 502 *Prerequisites:* Graduate Status

Contemporary computer internal architecture and operation are described at various levels, beginning with a summary of digital logic design of memory, buses and processor chips. Topics include: microprogramming, machine language, addressing techniques, interrupts, operating systems, virtual memory and memory management, one-pass and two-pass assemblers, linking and loading, and advanced computer architectures.

COSC 504 DATA AND INFORMATION STRUCTURES 3 CREDITS

Former course number 504 *Prerequisites:* COSC 404 or equivalent or consent of instructor

Topics include preprocessor facilities, storage control, pointer variables, direct I/O, and recursion. Data structures, such as stacks, queues, circular lists, linked lists, trees, and graphs. Algorithms for searching, sorting, merging, hashing. System functions, such as compiling, link editing, and libraries.

COSC 504 DATA AND INFORMATION STRUCTURES 3 CREDITS

Former course number 504 *Prerequisites:* COSC 404 or instructor's permission

Topics include preprocessor facilities, storage, pointer variables, direct I/O, and recursion; data structures, such as stacks, queues, circular lists, linked lists, trees, and graphs. Algorithms for searching, sorting, merging, hashing; system functions such as compiling, link editing, and libraries.

COSC 514 OPERATING SYSTEMS I 3 CREDITS

Former course number 514 *Prerequisites:* COSC 502 and COSC 504

Introduction to the structure of multiprogramming computer operating systems. Topics include concurrent programming and monitors, process communication and synchronization, process and disk scheduling, deadlocks, memory hierarchies, paging and segmentation. Survey of various processors, performance coprocessors, open systems, O/S security, Unix, and VMS.

COSC 516 COMPUTER ARCHITECTURE 3 CREDITS

Former course number 516 *Prerequisites:* COSC 502

Introduction to high-speed computer architecture. Parallel architecture, memory and I/O subsystems. Principles of pipelining and vector processing, pipeline computers and vectorization methods, examples of vector processors. Structures and algorithms for array processors, SIMD and MIMD computers, interconnection networks, associative array processors. Case studies of representative high-speed processors.

COSC 517 SATELLITE OPERATIONS AND CONTROL 3 CREDITS

Former course number 517 *Prerequisites:* Graduate status

This course provides students with a basic understanding of satellite operations and control. Topics to be covered include: orbits, launch vehicle and propulsion spacecraft systems, satellite communications, ground systems, earth stations, flight software and table maintenance, analysis of data.

COSC 518 COMPUTER GRAPHICS I 3 CREDITS

Former course number 518 *Prerequisites:* COSC 502 and COSC 504

Two-Dimensional (2D) interactive graphics. Basic clipping and scan conversion techniques, 2D homogeneous coordinate system, graphics hardware and software systems, user interfaces, graphics standards, and rendering techniques.

COSC 522 DISCRETE STRUCTURES 3 CREDITS

Former course number 522 *Prerequisites:* Graduate status

This course includes a survey of those areas in mathematics that are particularly useful to computer science. Topics discussed include set theory, relations and functions, equivalence and order relations, digraph and trees, and probability concepts.

COSC 522 DISCRETE STRUCTURES 3 CREDITS

Former course number 522 *Prerequisites:* Graduate Status

A survey of those areas in mathematics that are particularly useful to computer science. Topics discussed include set theory, relations and functions, equivalence and order relations, digraphs and trees, and probability concepts.

COSC 523 LOGIC, COMPUTABILITY AND AUTOMATA I 3 CREDITS

Former course number 523 *Prerequisites:* COSC 522

An elementary development of propositional and predicate logics, set and Boolean algebras with a discussion of Markov algorithms, Turing machines and recursive functions. Topics include post productions, word problems and formal languages.

COSC 528 DESIGN AND ANALYSIS OF ALGORITHMS 3 CREDITS

Former course number 528 *Prerequisites:* COSC 504 and COSC 522

This course includes discussion of design and analysis of basic computer algorithms based on the following techniques: divide-and-conquer, greedy, dynamic programming, tree and graph traversals, backtracking, and branch-and-bound method. Applications to problems, such as sorting and searching, traveling salesman, knapsack, graph coloring, set union-and-find, matrix multiplication, and scheduling. Use of advanced data structures appropriate for different techniques and problems. Use of mathematical tools, such as big-oh notation and recurrence relations in the analysis of algorithms to NP-completeness and discussion of P=NP question.

COSC 528 DESIGN AND ANALYSIS OF ALGORITHMS 3 CREDITS

Former course number 528 *Prerequisites:* COSC 504 and COSC 522

Design and analysis of basic computer algorithms based on the following techniques: divide-and-conquer, greedy, dynamic programming, tree and graph traversals, backtracking, and branch-and-bound method. Applications to problems such as sorting and searching, traveling salesman, knapsack, graph coloring, set union-and-find, matrix multiplication, and scheduling. Use of advanced data structures appropriate for different techniques and problems. Use of mathematical tools, such as big-oh notation and recurrence relations, in the analysis of algorithms and discussion of P=NP question.

COSC 531 DATABASE AND INFORMATION SYSTEMS I 3 CREDITS

Former course number 531 *Prerequisites:* COSC 504

Introduction to data base design and data base information management systems. Discussions of the various types of data and information models, such as hierarchical, network, relational, entity-relation, and object-oriented models. Functional dependencies and data normalization. An in-depth look into relational data base systems and query languages.

COSC 541 NUMERICAL ANALYSIS I 3 CREDITS

Former course number 541 *Prerequisites:* Graduate status

Introduction to the types of problems that require numerical techniques for their solution and examples of error propagation that arise when applying numerical methods. Topics include solutions of equations in one variable using bisection, fixed-point iteration, Newton-Raphson and Muller's methods; interpolation and polynomial approximation; iterative and direct methods of solving linear and nonlinear systems.

COSC 541 NUMERICAL ANALYSIS I 3 CREDITS

Former course number 541 *Prerequisites:* Graduate Status

Introduction to the types of problems that require numerical techniques for their solution and examples of error propagation which arise when applying numerical methods. Topics include solutions of equations in one variable using bisection, fixed point iteration, Newton Raphson and Muller's methods; interpolation and polynomial approximation; iterative and direct methods of solving linear and non-linear systems.

COSC 551 FORMAL METHODS IN PROGRAMMING LANGUAGES 3 CREDITS

Former course number 551 *Prerequisites:* COSC 504

Evolution of some imperative programming languages; formal methods of describing syntax; semantics; data types and variables; assignment statements; control structures; subprograms and their implementation; exception handling; logic programming languages; data abstraction.

COSC 561 COMPILER DESIGN AND CONSTRUCTION I 3 CREDITS

Former course number 561 *Prerequisites:* COSC 504

Design and implementation of compilers. Semantics and pragmatics as they affect the design of compilers. Topics include: lexical and syntax analysis, parsers, semantics processing, code generation, and simple code optimization.

COSC 573 ARTIFICIAL INTELLIGENCE I 3 CREDITS

Former course number 573 *Prerequisites:* COSC 528

Introduction to artificial intelligence. Topics include knowledge acquisition and representation, heuristic search methods, logical and probabilistic reasoning, and expert system architecture. AI applications in languages, such as LISP and PROLOG.

COSC 573 ARTIFICIAL INTELLIGENCE 3 CREDITS

Former course number 573 *Prerequisites:* COSC 528

This course is an introduction to artificial intelligence. Topics include knowledge acquisition and representation, heuristic search methods, logical and probabilistic reasoning, expert system architecture, and AI applications in languages such as LISP and PROLOG.

COSC 575 OBJECT ORIENTED PROGRAMMING AND DESIGN PARADIGM 3 CREDITS

Former course number 575 *Prerequisites:* COSC 504

Software engineering issues as they relate to object oriented techniques will be covered. Students will study object-oriented design methodology, and will acquire the ability to analyze a system using object-oriented techniques. Students will learn to enhance maintainability and reusability by the use of encapsulation, inheritance, polymorphism, and other object oriented concepts. Object oriented programming languages, such as Java, C++, and Smalltalk, will be compared and discussed. Advance topics such as frameworks, components, etc. will be

COSC 585 COMPUTER COMMUNICATION NETWORKS I 3 CREDITS

Former course number 585 *Prerequisites:* COSC 504

Introduction to computer communication and layered network architectures. Encoding and modulation, compression and multiplexing, error detection and correction. Use of the Open Systems Interconnection (OSI) Reference Model as a framework. Review of layered network architecture: design of layered protocols, network topology, switching techniques. Protocols and network design from the physical layer to the application layer.

COSC 590 SELECTED TOPICS IN COMPUTER SCIENCE 3 CREDITS

Former course number 590 *Prerequisites:* Consent of instructor

Presentation of selected modern developments and advanced topics in computer science.

COSC 591 SELECTED TOPICS IN COMPUTER SCIENCE 3 CREDITS

Former course number 591 *Prerequisites:* Consent of instructor

Presentation of selected modern developments and advanced topics in computer science.

COSC 592 SELECTED TOPICS IN COMPUTER SCIENCE 3 CREDITS

Former course number 592 *Prerequisites:* Consent of instructor

Presentation of selected modern developments and advanced topics in computer science.

COSC 614 OPERATING SYSTEMS II 3 CREDITS

Former course number 614 *Prerequisites:* COSC 514

Continuation of COSC 514. Advanced topics in virtual memory management, file and data base system management, operating systems security, disk performance optimization, analytic modeling, and distributed operating systems. Case studies in operating systems.

COSC 615 PERFORMANCE EVALUATION 3 CREDITS

Former course number 615 *Prerequisites:* COSC 514 and COSC 516

A survey of computer systems performance issues and evaluation methodologies. Topics include workload characterization, parallelism, concepts in hardware/software, computer measurement tools (e.g., hardware and software monitors, modeling and benchmarking), system utilization and performance profiles, and systems evaluation methodology (including the analysis and optimization of CPU, memory, channels, and peripheral resources).

COSC 618 COMPUTER GRAPHICS II 3 CREDITS

Former course number 618 *Prerequisites:* COSC 518 and COSC 528

Continuation of COSC 518. Topics will be chosen from three-dimensional (3D) interactive graphics, raster display system architecture, 3D homogeneous coordinate system, hidden surface elimination, modeling, shading, shadow generation, anti-aliasing, ray-tracing, fractals, animation techniques, color theory, graphics languages, and modern graphics.

- COSC 623 LOGIC, COMPUTABILITY AND AUTOMATA** 3 CREDITS
Former course number 623 Prerequisites: COSC 523
 Continuation of COSC 523. The theory of abstract mathematical machines. Structural and behavioral classification of automata; finite state automata; theory of regular sets. Pushdown automata, linear bounded automata. Finite transducers. Universal Turing machines.
- COSC 631 DATA BASE AND INFORMATION SYSTEMS II** 3 CREDITS
Former course number 631 Prerequisites: COSC 531
 Continuation of COSC 531. Advanced topics in data base design and information management systems. Topics include normalization and semantic modeling, view integration, recovery and concurrency, security and integrity, data base machines, distributed and heterogeneous data base management, intelligent data bases, and object-oriented systems.
- COSC 635 INFORMATION PRIVACY AND SECURITY** 3 CREDITS
Former course number 635 Prerequisites: COSC 504
 Introduction to security and privacy issues associated with information systems. Technical, physical, and administrative methods of providing security. Identification and authentication. Encryption and management of encryption systems, including key protection and distribution. Cost/risk trade-offs. Privacy legislation and technical means of providing privacy.
- COSC 641 NUMERICAL ANALYSIS II** 3 CREDITS
Former course number 641 Prerequisites: COSC 541
 This course is a continuation of COSC 541. The topics include numerical differentiation and integration; the solution of initial value and boundary ordinary differential equations; methods of solving nonlinear systems of equations; other topics as time permits.
- COSC 641 NUMERICAL ANALYSIS II** 3 CREDITS
Former course number 641 Prerequisites: COSC 541
 This course is a continuation of MATH 541. The topics include numerical differentiation and integration, the solution of initial and boundary value problems for ordinary differential equations, methods of solving nonlinear systems of equations; other topics as time permits.
- COSC 661 COMPILER DESIGN AND CONSTRUCTION II** 3 CREDITS
Former course number 661 Prerequisites: COSC 561
 Continuation of COSC 561. Advanced topics in compiler design and construction. Automated compiler tools and compiler compilers. Advanced code optimization techniques. Compilation of different computational models. Role of compilers in natural language processing.
- COSC 673 ARTIFICIAL INTELLIGENCE II** 3 CREDITS
Former course number 673 Prerequisites: COSC 573
 Continuation of COSC 573. Advanced topics in artificial intelligence, such as natural language understanding, computer vision, machine learning, robotics, neural networks, automatic theorem proving, and an in-depth look into the design and implementation of intelligent computer systems.
- COSC 675 APPLIED COMBINATORICS AND GRAPH THEORY** 3 CREDITS
Former course number 675 Prerequisites: COSC 522
 General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.
- COSC 676 QUEUEING THEORY IN COMPUTER SCIENCE** 3 CREDITS
Former course number 676 Prerequisites: COSC 504 and COSC 522
 The development of queueing theory and the application of that theory of discrete simulations, in general, and to computer systems, in particular. Topics include random processes, characterization of different queueing systems, the classical single-server exponential queueing system model, additional single and multiple-server queueing models, including birth-death processes and finite sources, and the assumptions and limitations of the various queueing models. The applications of queueing theory to computer systems are emphasized.

- COSC 678 MODELING AND SIMULATIONS** 3 CREDITS
Former course number 678 Prerequisites: COSC 504 and COSC 522
 A study of construction of models that simulate real systems. The methodology of solution should include probability and distribution theory, statistical estimation and inference, the use of random variables, and validation procedures. A simulation language should be used for the solution of typical problems.
- COSC 678 MODELING AND SIMULATION** 3 CREDITS
Former course number 678 Prerequisites: COSC 504 and COSC 522
 A study of the construction of models that simulate real systems. The methodology of solution should include probability and distribution theory, statistical estimation and inference, the use of random variables, and validation procedures. A simulation language should be used for the solution of typical problems.
- COSC 685 COMPUTER COMMUNICATION NETWORKS II** 3 CREDITS
Former course number 685 Prerequisites: COSC 514 and COSC 585
 Continuation of COSC 585. Advanced topics in computer networks and their applications. Inter-networking: international gateways and datagram internets. Emphasis on the characteristics, implementation and configuration of Local Area Networks (LANs), Wide Area Networks (WANs), and Integrated Services Digital Networks (ISDNs).
- COSC 687 DISTRIBUTED COMPUTER SYSTEMS** 3 CREDITS
Former course number 687 Prerequisites: COSC 514 and COSC 585
 Introduction to the concepts and the design principles used in constructing distributed computer systems. Coverage of topics from the architectural foundations of distributed systems through networks; file servers including transaction handling; replication; and security issues, with descriptions of the design and the facilities offered in some specific systems. Areas of applications include distributed data base management, interoperable information systems, and distributed artificial intelligence.
- COSC 690 SELECTED TOPICS IN COMPUTER SCIENCE** 3 CREDITS
Former course number 690 Prerequisites: Consent of Instructor
 Presentation of advanced topics reflecting state-of-the-art developments in computer science
- COSC 691 SELECTED TOPICS IN COMPUTER SCIENCE** 3 CREDITS
Former course number 691 Prerequisites: Consent of Instructor
 Presentation of advanced topics reflecting state-of-the-art developments in computer science
- COSC 692 SELECTED TOPICS IN COMPUTER SCIENCE** 3 CREDITS
Former course number 692 Prerequisites: Consent of Instructor
 Presentation of advanced topics reflecting state-of-the-art developments in computer science.
- COSC 696 MASTER'S THESIS IN COMPUTER SCIENCE I** 3 CREDITS
Former course number 696 Prerequisites: A minimum of 18 Graduate Credits in COSC
 A research problem in the area of computer science is chosen by the student under the supervision of a faculty advisor from the department of computer science. An advisory committee consisting of the thesis advisor and at least two other faculty members will be constituted. Research must be carried out and concluded over a period of two consecutive semesters and submitted in the form of a formal thesis with the consent of advisory committee. Thesis will be defended in an oral presentation by the student to the faculty.
- COSC 697 MASTER'S THESIS IN COMPUTER SCIENCE II** 3 CREDITS
Former course number 697 Prerequisites: A minimum of 18 Graduate Credits in COSC
 A research problem in the area of computer science is chosen by the student under the supervision of a faculty advisor from the department of computer science. An advisory committee consisting of the thesis advisor and at least two other faculty members will be constituted. Research must be carried out and concluded over a period of two consecutive semesters and submitted in the form of a formal thesis with the consent of advisory committee. Thesis will be defended in an oral presentation by the student to the faculty.
- COSC 698 APPLIED RESEARCH IN COMPUTER SCIENCE** 3 CREDITS
Former course number 698 Prerequisites: A minimum of 27 Graduate Credits in COSC
 This course requires the student to perform research in computer science somewhat less in scope than a master's thesis. Such research should adequately demonstrate the student's proficiency in the subject material. The

research must be applied in a semester-long project and concluded with a short seminar and a comprehensive paper.

Counseling

COUN 608 CAREER COUNSELING AND DEVELOPMENT 3 CREDITS

Former course number 508 Prerequisites: None

This course is designed to provide students with an understanding of career development as it impacts on individuals throughout the life span. A basic assumption of the course is that understanding the adjustment of individuals is highly dependent upon understanding the choices they have made throughout their lives. Emphasis is placed on career and vocational choice theories, counseling delivery systems, career information, and social and psychological factors in career decision-making. Formal and informal occupational classification systems are covered. A great deal of emphasis is placed on practical applications of career theory to individual counseling, group guidance, job search and placement, and career adjustment.

COUN 610 APPRAISAL, ASSESSMENT AND EVALUATION 3 CREDITS

Former course number 510 Prerequisites: None

The basic concepts of quantifying behavior; validity, reliability, norms and methods of expressing test scores statistically. Course emphasizes standardized and non-standardized instruments, methods of communicating test results, and planning the school and non-school testing program. Practice in test interpretation is provided.

COUN 612 COUNSELING FOR OPTIMAL HEALTH THROUGHOUT THE LIFE 3 CREDITS

Former course number 512 Prerequisites: None

This course surveys research focusing on the relationships between the activities and health. Specific topics will be: changing longevity patterns, the changing nature of disease in Western society, the allocation of health resources, the psychological correlates of healthy adult life, the role of stress in current patterns of illness, the relationship of diet and exercise to optimal adult health, and the implementation of active preventive measures. Extensive use is made of the small group format to demonstrate counseling techniques to aid individuals and in identifying and making desired changes in life style.

COUN 613 NUTRITIONAL COUNSELING FOR THE LIFE SPAN 3 CREDITS

Former course number 513 Prerequisites: None

This course surveys major studies and writings in the field of nutrition and health and provides a forum for discussion of the current controversies in the area of nutrition and health. Specific focus will be on nutritional practices as they relate to health and disease. Small group and individual counseling techniques will be developed to facilitate identification of indicated dietary changes, methods of motivation for change, and knowledge and skills necessary to implement dietary changes.

COUN 633 MULTICULTURAL COUNSELING 3 CREDITS

Former course number 533 Prerequisites: None

This course is designed to develop appropriate skills, competencies, and knowledge bases and to examine the beliefs of counselors working with people across-cultures. The course focuses on researching, reading and developing understandings of cultures, customs, languages, traditions, religions and spiritualities of people across-cultures. Case investigations are employed to provide information, and research on individuals' life experiences across-cultures and an understanding of their worldview as well as that of counselor trainers'. Emphasis is given to the understanding of counseling individuals in a very diverse world.

COUN 705 ELEMENTARY SCHOOL COUNSELING 3 CREDITS

Former course number 505 Prerequisites: None

A study of the specified needs and programs designed for the elementary school child in the area of counseling. Particular attention is given to the approaches and practices geared to the child of this age.

COUN 709 ADLERIAN CLASSROOM DISCIPLINE AND MANAGEMENT 3 CREDITS

Former course number 509 Prerequisites: None

An introduction to classroom management techniques based on mutual respect, shared decision-making, and shared responsibility. Participants will gain an understanding of behavior as goal directed. They will develop a repertoire of corrective responses by which to redirect children from useless to useful behavior. Practical applications of theory will be required throughout as understanding is developed. Some topics that will be covered are techniques for winning cooperation; natural and logical consequences; group discussions with children; setting

up class councils; and techniques of fostering a favorable learning climate.

COUN 731 GROUP COUNSELING 3 CREDITS

Former course number 531 *Prerequisites:* 9 to 12 hours in the field, including PSYC 502 and 534

The primary objective of this course is to acquaint students with important skills that are considered to be prerequisites for effective group counseling as well as working with other kinds of groups. These skills include the basics of group dynamics and an introduction to the laboratory training method of working with groups. The application of the principles and techniques related to group situations in the public schools is a second major objective.

COUN 732 FAMILY COUNSELING 3 CREDITS

Former course number 532 *Prerequisites:* None

This course provides an opportunity for students interested in counseling and mental health to study basic theories and application for the principles of family counseling. By using various theories, students will learn how the application of Family Theories is used in developing a holistic understanding of the dynamics of a family. Through an in-depth comprehension of family behavior, students will use various family counseling theories demonstrating their skill development in counseling families.

COUN 735 CASE STUDIES AND PROBLEMS IN PUBLIC APPRAISAL 3 CREDITS

Former course number 535 *Prerequisites:* PSYC 502; 530 or 534; 508 and EDUC 510 or COUN 510.

This course focuses on collecting and interpreting standardized and non-standardized pupil appraisal data and synthesis of all types of data through case study procedures.

COUN 747 PERSONAL GROUP COUNSELING 3 CREDITS

Former course number 547 *Prerequisites:* PSYC 531

The primary purpose of this course is to provide a personal growth experience for students by helping to overcome mistakes in private logic and behavior and by maximizing the individual's potential. Members of the class will interact as counselees. Life style information will be used as a basis for understanding and helping the individual become more effective personally and professionally.

COUN 755 BIOFEEDBACK THEORY 3 CREDITS

Former course number 555 *Prerequisites:* None

This course will focus on the use of biofeedback procedures, which enable a person to control one or more of his physiological processes by using an external monitor to show him its present state or level. The use of biofeedback to regulate autonomic and skeletal responses and influence levels of alertness or relaxation and emotion will be explored. The therapeutic application in hypertension, psychosomatic disorders, and counseling will be studied.

COUN 762 DRUG AND ALCOHOL COUNSELING 3 CREDITS

Former course number 562 *Prerequisites:* None

Students will develop skills in the application of counseling techniques that are used with individuals who abuse drugs and alcohol. The course will be divided into two parts. In the first part, the importance of philosophical assumptions about "drug abusers" will be examined. Students will begin to articulate and examine their own philosophies of counseling individuals who abuse drugs. Secondly, basic counseling techniques will be demonstrated, and students will participate in exercises and case consultations to develop their own skills. In these two ways, students will be exposed to the applications of philosophies and techniques in counseling the individual who abuses drugs, in particular, and the individual with an "addictive lifestyle," in general. Site visits to drug abuse clinics will be required.

COUN 801 3 CREDITS

Former course number 601 *Prerequisites:* None

COUN 805 3 CREDITS

Former course number 605 *Prerequisites:* None

COUN 836 PRACTICUM IN GUIDANCE AND COUNSELING 3 CREDITS

Former course number 536 *Prerequisites:* 24 hours in the program, including PSYC 502; 503; 529; 530 or

This course places emphasis on practical counseling with supervised experience in school guidance programs, the role of the teacher and/or administrator of community services in the guidance program, and consideration of the problems and issues in the counseling relationship.

COUN 840 COUNSELING CHILDREN AND ADOLESCENTS 3 CREDITS

Former course number 540 *Prerequisites:* None

This course addresses the specific developmental stages, needs and problems of children and adolescents. Techniques for counseling these groups will be illustrated through demonstrations and clinical/school site training and personal growth and development activities.

COUN 843 MARITAL COUNSELING 3 CREDITS

Former course number 543 *Prerequisites:* None

This course will be divided into a didactic section and an applied section. In the didactic section, the historical, social-cultural, psychological, and biological aspects of the marital relationship will be explored. In the applied section, volunteer couples will be used as co-educators to illustrate counseling techniques and educative strategies.

COUN 852 GROUP COUNSELING II 3 CREDITS

Former course number 552 *Prerequisites:* Group Counseling I or equivalent

This course will focus on several approaches to group counseling: the T-group approach, in which there is a here-and-now emphasis; the transactional approach based upon transactions between ego states and the socioteleological approach based upon the Adlerian understanding of human behavior. Experiential activities, in which members of the class will participate as group members, will be emphasized. An understanding of basic group dynamics will be required.

COUN 861 SEMINAR IN GUIDANCE AND COUNSELING 3 CREDITS

Former course number 561 *Prerequisites:* Successful completion of the Graduate Comprehensive

This course is designed to give the student guidance and practice in the preparation and writing of the research paper in the area of guidance and counseling. The course will focus attention on a review of relevant literature on current trends, issues, and problems in counseling and guidance, with presentations and class discussions. This class should be taken during the last six hours of the degree program.

Economics

ECON 522 PUBLIC FINANCE 3 CREDITS

Former course number 522 *Prerequisites:* None

An analysis of the elements, structure, functions, and processes of public finance. The course will cover theory and practice of allocation, distribution and stabilization roles of the government at national, state, and local levels.

ECON 532 FISCAL POLICY (Elective course) 3 CREDITS

Former course number 532 *Prerequisites:* None

This course is designed to demonstrate to students of management and administration how governments manipulate public funds and tax collections to achieve a full-employment and non-inflationary domestic output. Students also examine how the role of government affects private sector management decisions.

Educational Leadership

EDAD 801 PHILOSOPHY AND HISTORICAL FOUNDATIONS OF URBAN 3 CREDITS

Former course number 710 *Prerequisites:* None

The purpose of the course is to analyze and study the philosophical and historical foundations that underline leadership concepts and practices in contemporary urban schools. Students explore the political, social, and economic context in which urban schools operate. Students also examine effective leadership and management strategies for urban schools in eight key policy/management areas: finance, personnel/employee relations, students performance, program definition (curriculum and student services), facilities and security, media (communications and community relations), and education law.

EDAD 810 DESCRIPTIVE AND INFERENCEAL STATISTICS IN EDUCATION 3 CREDITS

Former course number 701 Prerequisites: None

This is a statistics course designed to prepare the education student with the essential statistical concepts for developing statistical designs in their own research. In addition to the fundamental principles of descriptive and inferential statistics, students learn to use computers to compute data and to interpret computer-generated results produced by statistical software. Course topics include measurements of central tendency, variability, relative position, and correlation; sampling and probability distributions, tests of significance; t-tests; analysis of variance; chi-square tests, and regression analysis.

EDAD 815 EDUCATION PLANNING AND EVALUATION 3 CREDITS

Former course number 711 Prerequisites: None

This course is a comprehensive examination of planning practices and procedures in selected educational settings and will include the development of a model plan as a related research project. Advanced study of topics related to the design and development of educational policies and operations in support of organizational planning including appropriate research needs and methods are also included. Also, an introduction to evaluation of the effectiveness of educational programs and policies in relation to systems theory and analysis of organizations.

EDAD 820 HUMAN RESOURCE ADMINISTRATION 3 CREDITS

Former course number 715 Prerequisites: None

This course includes analysis and discussion of personnel administration in educational institutions. Special attention will be given to those functions and responsibilities related to the administration of personnel at the school district level. This course will address the personnel function and its contribution to the overall management and operation of a school system.

EDAD 825 ADVANCED SCHOOL LAW 3 CREDITS

Former course number 712 Prerequisites: None

This course will focus on the legal policy development and issues that arise in elementary and secondary schools. Topics will include liability for student injury, church/state conflicts, control over the curriculum and the expression of controversial views, and the schools' authority to make rules governing student and teacher conduct. It will also examine issues of equal opportunity, including school desegregation, bilingual education, sexual discrimination and harassment, affirmative action, and special education.

EDAD 830 EDUCATIONAL GOVERNANCE AND POLICY STUDIES 3 CREDITS

Former course number 713 Prerequisites: None

Educators operate in a complex web of political relationships within schools and universities between educational institutions and communities, and across levels of government. This course is designed to enable educators to become more effective and responsible actors within this web of political relationships. The course engages students in 1) developing systematic knowledge about political environments; 2) developing skills and strategies necessary to act on that knowledge; and, 3) exploring and acquiring principles that shape responsible political action.

EDAD 835 RESEARCH DESIGN AND METHODS 3 CREDITS

Former course number 702 Prerequisites: None

The purpose of this course is to provide doctoral students with the skill necessary to design empirical research studies in the field of education. Survey, correlation and experimental research methods and practices are emphasized in the course. Course topics include: purposes and types of educational research; steps in conducting research and preparing a research proposal; selection of research questions for investigation and literature reviews; basic statistical methods and an introduction to statistical packages; development and validation of instrumentation; principles of sampling; research designs; data collection techniques; interpreting results, drawing conclusions, and reporting results. Survey and experimental research methods and practices are emphasized in the course.

EDAD 840 LEADERSHIP WITH TECHNOLOGY IN A GLOBAL INFORMATION 3 CREDITS

Former course number 716 Prerequisites: None

This course will equip students with information, skills and strategies to make efficient use of technology including computer, communications and instructional to lead twenty first American schools.

EDAD 845 MANAGING FINANCIAL RESOURCES IN URBAN EDUCATION 3 CREDITS

Former course number 714 Prerequisites: None

This course includes analysis and discussion of current public and private local, state, and national sources of revenue for the support of public education. In addition, the students study school finances practice including detailed analysis of budgetary processes. Principles of sound management of income and expenditures bonding procedures, accounting, and auditing are also examined.

EDAD 850 EDUCATIONAL LEADERSHIP INTERDISCIPLINARY SEMINAR 3 CREDITS

Former course number 761 Prerequisites: None

This course will address leadership ideas, values, cultures, and contemporary issues that are affecting society generally and education particularly. Also, the seminar will serve to enhance students' knowledge of multiculturalism, racial, ethnic, and gender diversity, and individuals with handicaps. Additionally, it will address school-community relation's issues, principles and recommended practices for dealing with those publics with whom school leaders regularly interact. The seminar may be repeated for credit.

EDAD 900 DISSERTATION IMPLEMENTATION RESEARCH SEMINAR 3 CREDITS

Former course number 769 Prerequisites: None

EDAD 910 APPLIED RESEARCH SEMINAR 3 CREDITS

Former course number 703 Prerequisites: None

This course is designed to provide the doctoral student with an understanding of the various kinds of behavioral research and the various research designs appropriate to behavioral sciences; the development of skills in the use of basic statistical techniques appropriate to different designs; an understanding of the application of various assessments used within disciplines and skills to construct tests necessary for evaluating students; and, an introduction to the application of modern technology to enhance learning. The nature of the computer, relative and contemporary software, the Internet, and the application of telecommunications are presented. Specific experiences within a school-based setting are provided for students to observe, work with students and apply the concepts and skills emphasized within the course.

EDAD 920 EXTERNSHIP IN EDUCATIONAL LEADERSHIP 3 CREDITS

Former course number 741 Prerequisites: None

This course is a special interdisciplinary problem-solving activity for experienced educational practitioners. An interdisciplinary team of faculty will work with small groups of experienced administrators, supervisors, or instructors in an analysis of current educational problems or in an evaluation of educational practices. Students are judged on the quality of their investigations, individual reports and discussion.

EDAD 925 ADVANCED INTERNSHIP IN EDUCATIONAL LEADERSHIP 3 CREDITS

Former course number 742 Prerequisites: None

The major focus of this internship will be on Leadership in Organizations. It will focus on those in education leadership positions and the problems, dilemmas, and opportunities they face in educational, public, and human service organizations. Particular attention will be paid to issues of leadership in diverse organizations. This experience will be a yearlong research project and documented by portfolios.

EDAD 950 DISSERTATION II 3 CREDITS

Former course number 770 Prerequisites: None

EDAD 951 DISSERTATION II 3 CREDITS

Former course number 771 Prerequisites: None

Education

EDUC 503 STATISTICAL METHODS IN EDUCATION 3 CREDITS

Former course number 503 *Prerequisites:* None

Problems in statistical analysis taken from education and psychology, including computation and interpretation of averages, introduction to hypothesis testing, and coefficients of correlation, are emphasized. Some attention is given to an understanding of partial and multiple correlations as these relate to various complexities dealing with problems commonly faced in research in education.

EDUC 507 HUMAN GROWTH AND DEVELOPMENT (ADVANCED) 3 CREDITS

Former course number 507 *Prerequisites:* None

The course is planned to place emphasis on the study of the characteristics of human growth at each stage of development. Special emphasis will be placed on the implications for education. Practical work in the study of children, adolescents and/or youth is required. Instruction and practice in the writing of a child-study report is also given.

EDUC 508 PRINCIPLES AND PHILOSOPHY OF PUPIL SERVICES 3 CREDITS

Former course number 508 *Prerequisites:* None

A study of the principles and philosophy of the total program of pupil services is emphasized. Specific attention is given to the basic organization, planning, and operation of a pupil service program designed to serve specific needs of children.

EDUC 509 ORGANIZATION AND ADMINISTRATION OF PUPIL SERVICES 3 CREDITS

Former course number 509 *Prerequisites:* None

A study of the organization and administration of Pupil Service Programs is undertaken. Emphasis is placed on the total program of pupil services as designed to serve the student, with attention paid to the interlocking aspects of the total program of pupil services.

EDUC 510 TESTS AND MEASUREMENTS 3 CREDITS

Former course number 510 *Prerequisites:* None

The basic concepts of quantifying behavior: validity, reliability, norms and methods of expressing test scores statistically. Course emphasizes standardized and non-standardized instruments, methods of communicating test results, and planning the school and non-school testing program. Practice in test interpretation provided.

EDUC 511 CULTURAL DEPRIVATION AND EDUCATION 3 CREDITS

Former course number 511 *Prerequisites:* None

The course consists of current studies relating to the effects of cultural deficiencies on learning and alleviation techniques as they relate to school and community resources, social agencies, and institutions. Effort is made to propose action programs of a developmental nature.

EDUC 513 PRE-SCHOOL EDUCATION AND THE DISADVANTAGED 3 CREDITS

Former course number 512 *Prerequisites:* None

This course explores various intervention approaches involving school, home, and community designed to help disadvantaged children overcome educational deficiencies. Curriculum reform, institutional innovation, materials, and parental involvement are also stressed.

EDUC 514 LEARNING PROBLEMS OF THE ACADEMICALLY 3 CREDITS

Former course number 514 *Prerequisites:* None

Environmental influences, which have negative effects on educational performance and on such other factors as perception and intelligence, are considered. School intervention strategies appropriate to the task of overcoming the academic deficiencies in such learners are explored.

EDUC 515 SEX EDUCATION AND HUMAN RELATIONS 3 CREDITS

Former course number 515 *Prerequisites:* None

The purpose of this course is to help teachers at both elementary and secondary levels to organize and conduct meaningful learning experiences in human sexuality and sex education. The first part of the course presents a factual basis for understanding the physical, emotional, and behavioral aspects of sexuality in human relations. The other part of the course is about the teaching of sex and sexuality in schools. Included are the broad goals of sex

education, objectives, curriculum planning, content, methods, and unit lesson planning.

EDUC 516 OPEN EDUCATION 3 CREDITS

Former course number 516 Prerequisites: None

A practical presentation of the concepts of the open classroom as an alternative to the traditional classroom procedures; an examination of the theory and philosophy behind open education and open space schools. Includes important guidelines for making decisions regarding organization, learning, and curriculum, along with practical approaches to areas such as learning styles, role definitions, planning, and management.

EDUC 517 CREATIVE ART IN THE ELEMENTARY SCHOOLS 3 CREDITS

Former course number 517 Prerequisites: None

This course provides an overview of the developmental process of children's art and its relationship to mental and emotional growth. There will be student participation in creative art experiences that are applicable to classroom use.

EDUC 518 CAREER EDUCATION 3 CREDITS

Former course number 518 Prerequisites: None

The development of comprehensive integrated career educational program for grades K through post-secondary in concert with the school, home, and community. This program will stress classroom organizational procedures, utilization of teacher-practitioner teams, development of decision-making skills, communications skills, and emphasis on new strategies in developing the whole person. Survey of various career development programs, with emphasis on description and applicability.

EDUC 519 THE FINE ARTS IN THE CURRICULUM: AN 3 CREDITS

Former course number 519 Prerequisites: None

This course is interdisciplinary, drawing upon the nature of the fine arts and their implications for curriculum development. The course will introduce the classroom teacher to the nature of aesthetics and the techniques for incorporating aesthetic experiences into curriculum through poetry and the visual (painting, collage, sculpture) and performing (music, dance, drama) arts. Emphasis will be placed on the classroom teacher's role and practical application of understandings that can be used with children and youth.

EDUC 521 ORGANIZATION AND ADMINISTRATION IN PUBLIC SCHOOLS 3 CREDITS

Former course number 521 Prerequisites: None

This is a survey course of the organization and administration of modern American public education, including local, state, and federal levels with their differing roles and responsibilities. The historical development of local school district organization and various types of local school districts, such as township, city, county unit, union high school, and independent elementary school districts are included. The phenomena of public insistence on local control, school district consolidation, and the current decentralization movement in administration are studied, as well as the development of the professional of school administration, from the "headmaster" and "inspector" beginnings to the modern urban superintendency.

EDUC 528 TEACHER - SCHOOL BOARD RELATIONSHIPS 3 CREDITS

Former course number 528 Prerequisites: None

This course is designed to cover the relationships between the teacher and the local board of education, with a primary focus on professional negotiations. Emphasis will include the historical perspective, roles of professional associations, legal ramifications, and the process of negotiating. The course is intended to give teachers a better understanding of an area that affects their professional environment.

EDUC 529 HEALTH INSTRUCTION IN ELEMENTARY SCHOOLS 3 CREDITS

Former course number 529 Prerequisites: None

This course includes materials and methodology for teaching elementary school curricula. Areas of curriculum include personal, mental, and community health. Family life, health consumer information, nutrition, and an introduction to drug uses and abuses are also included.

EDUC 532 SCHOOL CLASSROOM PRACTICES AND PROCEDURES 3 CREDITS

Former course number 532 Prerequisites: None

This course is designed as a rigorous experience in observation, understanding, and evaluation of teaching strategies. There is discussion and analysis of contemporary literature to improve the understanding of teacher roles, methodologies, and program characteristics. Individual projects may be selected to match the student's level of interest.

EDUC 534 ADVANCED STUDY IN TEACHING THE LANGUAGE ARTS 3 CREDITS

Former course number 534 Prerequisites: None

Study will focus upon the modes of communication, listening, speaking and writing. Analysis of skill development, methods, and materials will be emphasized, as well as the relationship of the language arts to creativity and other curriculum areas. Individual and group problems will be addressed. Individual projects will relate to the student's level and areas of interest.

EDUC 535 ADVANCED STUDY IN TEACHING THE SOCIAL STUDIES 3 CREDITS

Former course number 535 Prerequisites: None

For experienced teachers; identification, definition, and analysis of some of the most important problems facing teachers of the social studies. Consideration is given to trends and issues, which are concerned with the content, materials, activities, and classroom practices. Individual projects will relate to the student's level and area of interest.

EDUC 536 ADVANCED STUDY IN TEACHING ARITHMETIC IN THE 3 CREDITS

Former course number 536 Prerequisites: None

A critical review of research and development in arithmetic teaching in the elementary school, with emphasis on practices, trends, content reorganization, modern mathematics materials, current curriculum projects, and published materials. The course is appropriate for all educators.

EDUC 537 FOUNDATIONS OF SCIENCE EDUCATION 3 CREDITS

Former course number 537 Prerequisites: None

This is a basic course that includes the history and philosophy of science, influences on modern inquiry, and the scientific method as bases today's industrialized and technological civilization.

EDUC 538 ELEMENTARY SCHOOL SCIENCE 3 CREDITS

Former course number 538 Prerequisites: None

This course is designed to have students sense science from a developmental point of view. Attention is given to a study of science programs as these relate to and satisfy curriculum expectations in today's world.

EDUC 543 CURRICULUM AND TECHNOLOGY 3 CREDITS

Former course number 543 Prerequisites: None

Curriculum and Technology is a course designed to provide the graduate student with the instructional uses of technology that can be used to promote curriculum reform. This course examines the essential principles of curriculum and instruction. Course Topics emphasize the application of teaching and learning theories to promote the development of curriculum and management in the learning environment. An introduction to, and application of technology will be provided to enhance learning and enable the candidate to teach within a global society. The nature of the computer, relative and contemporary software, the Internet, and application of telecommunications are presented. Specific experiences within a school based setting are also provided so that the graduate student can observe, work with school children, and apply the concepts and skills emphasized within the course.

EDUC 544 PRINCIPLES AND TECHNIQUES OF READING INSTRUCTION 3 CREDITS

Former course number 544 Prerequisites: None

This course is designed to broaden and deepen each student's knowledge and understanding of the reading process and its development at the various levels of schooling. Special attention is given to the development of competencies required for diagnostic/prescriptive instruction in reading in classroom situations. Students are given an opportunity to explore uses of computers in development of reading ability and in reading programs. Software is examined and critiqued.

EDUC 554 SEMINAR IN CURRICULUM 3 CREDITS

Former course number 554 Prerequisites: None

This seminar has three main purposes: (1) to assist the student in completing the research paper requirement; (2) to review major topics in the area of concentration; and (3) to achieve an in-depth exploration of major issues and trends in the field of curriculum. The seminar must be taken during the last six hours of the degree program.

EDUC 556 CURRICULUM PLANNING FOR PEOPLES AND CULTURES OF WEST 3 CREDITS

Former course number 556 Prerequisites: None

The course will provide training in the development, creation, dissemination and use of curricular materials on peoples and cultures of West Africa. Appropriate materials and techniques for both elementary and secondary levels are included.

EDUC 562 DRUG ABUSE EDUCATION 3 CREDITS

Former course number 562 *Prerequisites:* None

This course is designed for the professional educator -- teacher, counselor, and administrator -- and other professionals working with school-age youth. The extent and recognition of the drug abuse problem and recognition of the symptoms in an individual under the influence of narcotics and drugs, with a view to involving the professional on both a specific and a general action-oriented level are stressed. The professional completing this course will have had the opportunity to accumulate the knowledge and skills necessary to take some reasonable action when confronted with the drug abuse problem at various school age levels

EDUC 564 FIELD TRIPS IN AESTHETIC EDUCATION 3 CREDITS

Former course number 564 *Prerequisites:* None

Students explore aesthetic resources in and around the Washington, D.C. area. Students become familiar with resources related to the fine and performing arts and develop educational plans for incorporating these resources into their aesthetic education curriculum. Students apply their experiences to the age/grade level with which they are most concerned.

EDUC 567 THE MIDDLE SCHOOL 3 CREDITS

Former course number 567 *Prerequisites:* None

This course includes the philosophy and purposes of the middle school and its organization and administration, the curriculum, and appropriate methodologies. Similarities and contrasts to the junior high school and other types of organization will be covered.

EDUC 568 INDIVIDUALIZED INSTRUCTION 3 CREDITS

Former course number 568 *Prerequisites:* None

This course is designed to acquaint teachers with methods of individualizing instruction at the elementary, junior high, and high school levels. Primary emphasis will be on learning activity programs and other methods. Students can expect to learn how to prepare, implement, and evaluate individualized programs.

EDUC 570 GENERAL SAFETY EDUCATION 3 CREDITS

Former course number 570 *Prerequisites:* None

Contemporary and anticipated accidents in the urban home, on the farm, in industry, recreation and transportation, and at school are explored. Theories of accident causation are examined. Principles and practices for reducing the frequency and severity of accidents are developed, with special emphasis on the role of education in eliminating environmental hazards and reducing avoidable human error.

EDUC 571 PUPIL TRANSPORTATION 3 CREDITS

Former course number 571 *Prerequisites:* None

This course includes consideration of the organization and the administration of state, county, and district pupil transportation service, with emphasis on safety and economy. The planning of bus routes, the selection and training of bus drivers and maintenance mechanics, specifications of school buses, and procurement procedures are included.

EDUC 572 PUBLIC SCHOOL TRANSPORTATION OF SCHOOL CHILDREN 3 CREDITS

Former course number 572 *Prerequisites:* None

This course is designed to serve as the means for considering the problems of school bus transportation, solutions employed, and a review of research in the field.

EDUC 574 ORGANIZATION, ADMINISTRATION, AND SUPERVISION OF 3 CREDITS

Former course number 574 *Prerequisites:* None

This course is designed for teachers, school administrators, college instructors, and others responsible for directing or supervising safety programs in the schools. It deals with the problems, policies, practices, and procedures involved in the organization, administration, and supervision of a comprehensive accident prevention and safety education program for the schools. It considers integration factors of the school safety programs, with special emphasis on traffic programs.

EDUC 575 ADMINISTRATION AND SUPERVISION OF DRIVER EDUCATION 3 CREDITS

Former course number 575 Prerequisites: None

This course offers background and experience in administration and supervision of driver education programs. Methods of organization, techniques, materials, program planning, records, and reports, financing and insurance, procurement, personnel selection, and planning classroom and in-car laboratory experiences are studied.

EDUC 576 THE TALENTED AND GIFTED 3 CREDITS

Former course number 576 Prerequisites: None

The nature and needs of the talented and gifted in all areas of development are explored. Special curriculum and management plans for the gifted and talented are developed by students at the primary, elementary, or secondary level as suited to the needs of those enrolled.

EDUC 596 TEACHING CHILDREN WITH SPECIAL NEEDS 3 CREDITS

Former course number 596 Prerequisites: None

Teaching Children with Special Needs is a telecourse of 16 one-half hour telelessons designed for regular and special educators. It offers introductory instruction in the observation, identification, and management of children, K-3, who demonstrate mild to moderate learning problems.

EDUC 597 INSTRUCTIONAL TELEVISION UTILIZATION 3 CREDITS

Former course number 597 Prerequisites: None

This is a college credit course combining televised lessons, on-campus seminars, and related workbook assignments. This three-credit upper-division undergraduate and graduate level course focuses on planning for the various uses of instructional television with students. State, local school unit, school, and classroom uses will be illustrated through film and studio production. In addition, the aspects of producing the ITV program are developed through the television lessons and "hands-on" assignments in the seminars.

EDUC 599 IMPLEMENTATION OF THE MIDDLE SCHOOL 3 CREDITS

Former course number 599 Prerequisites: None

This course concentrates on the implementation of the philosophy and purposes of the middle school as set forth in EDUC 567.

EDUC 600 THESIS 3-6 CREDITS

Former course number 600 Prerequisites: None

Thesis for Plan II degree candidates only.

EDUC 601 RESEARCH ADVISEMENT 1 CREDITS

Former course number 601 Prerequisites: None

Research for those students needing advisement to complete seminar papers and remove "incompletes" in their Seminar course.

EDUC 602 RESEARCH, ASSESSMENT, AND TECHNOLOGY 3 CREDITS

Former course number 602 Prerequisites: None

Research, Assessment and Technology is a course designed to provide the graduate student with (a) an understanding of the various kinds of behavioral research, (b) an understanding of various research designs appropriate to behavioral sciences, (c) use of basic statistical techniques appropriate to designs, (d) a practical understanding and application of various assessments used within each major's discipline or specific area and level, as well as skills by which to construct tests necessary for evaluating and assessing students, and (e) an introduction to and application of modern technology in order to enhance learning and enable the student to teach within a global society. The nature of the computer, relative and contemporary software, the Internet, and applications of telecommunications are presented. Specific experiences within a school-based setting are also provided for enrollees to observe, work with students, and apply concepts and skills emphasized within the course.

EDUC 603 PERSPECTIVES AND METHODS IN TEACHING I 3 CREDITS

Former course number 603 *Prerequisites:* None

This course is an integrated methods course concentrating on the practices and procedures specific to teaching in elementary, middle, and secondary schools. The course has two eight-week segments. The first eight-week segment includes a survey of the methods and competencies necessary for teaching elementary, middle, and secondary students. During the second eight-week segment, the students will concentrate on specific elementary and secondary teaching methods and competencies in their major content area. The student must be advanced to candidacy and have completed the appropriate components of the PRAXIS I and II Examination. This course is a prerequisite for registration in EDUC 604 (Perspectives and Methods II) and EDUC 605 (Supervised Internship I) or the student may take EDUC 603 and EDUC 605 concurrently.

EDUC 604 PERSPECTIVES AND METHODS IN TEACHING II 3 CREDITS

Former course number 604 *Prerequisites:* None

This course is designed to assist graduate students in the completion of a Masters thesis or seminar paper based upon action research. The students are expected to use research techniques to systematically examine issues of their choice. Upon choosing a research topic or question, the students will apply the steps of the scientific method to study that topic or question in scope and depth. The students must be advanced to candidacy, must have completed the PRAXIS I and II Examinations, EDUC 602, and EDUC 603, before registering for this course. EDUC 604 may be taken concurrently with EDUC 606.

EDUC 605 SUPERVISED INTERNSHIP I (Practicum Field Experience, Part I) 3 CREDITS

Former course number 605 *Prerequisites:* None

Supervised Internship I provides on-site, supervised instructional experience within a public school setting under the leadership of an appropriate, competent professional. Supervised practice and simulated learning experiences are included to enable the aspiring teacher to consolidate knowledge, observe others at work, apply skills and techniques, and construct a philosophy of teaching. This course makes provisions for practicum experiences for students in K-6 and 7-12 settings according to the students' needs. The student in SI I will be expected to complete a minimum of 60 hours of supervised activities. The student must have been advanced to candidacy and have completed the appropriate components of PRAXIS. Students registering for this course must have completed EDUC 604 Perspectives and Methods for Teaching, or be registered concurrently for EDUC 604.

EDUC 610 COMPUTERS AND TECHNOLOGY FOR EDUCATION AND 3 CREDITS

Former course number 526 *Prerequisites:* None

This course introduces computer technology to the educator. It consists of two main components: basic computer skills and the methods of integrating computer technology into K-8 curricula. Appreciation for the use of Microsoft Word, Excel, Power Point, Netscape, and Home Page will be developed. Methods for using computers to enhance and manage instruction will be introduced.

EDUC 633 LITERATURE FOR CHILDREN 3 CREDITS

Former course number 533 *Prerequisites:* None

Study will focus upon the development and use of criteria in selecting and analyzing the pictorial and verbal statements of children's books. Both in-class and out-of-class opportunities will provide in-depth exposure to fanciful and factual literary content. In addition, study will focus on teaching strategies and alternative materials and media of the field. Individual projects will relate to the student's level of interest.

EDUC 646 DIAGNOSTIC, CORRECTIVE AND REMEDIAL READING 3 CREDITS

Former course number 546 *Prerequisites:* EDUC 544, EDUC 645, EDUC 534

This course focuses on diagnosis and correction or remediation of reading difficulties of learners K-12. Corrective and remedial procedures emphasize diagnostic/prescriptive approaches to reading instruction for individuals. Multi-sensory and special approaches to reading instruction are examined. The role of the reading specialist as a resource person is explored and practical experience is provided. Experience is given in uses of the computer in diagnosis and prescriptive instruction and in development of management systems in reading programs.

EDUC 647 CURRENT ISSUES IN READING 3 CREDITS

Former course number 547 *Prerequisites:* EDUC 646

Emphasis in this course is on critical examination of landmark and recent research studies related to major issues in reading and reading education. Students are required to read broadly in the literature of reading education, implement discussion techniques, write an assigned minimum number of abstracts related to a particular issue, and react critically in oral and written forms.

EDUC 650 MEASUREMENT AND EVALUATION PROCEDURES IN READING 3 CREDITS

Former course number 550 *Prerequisites:* None

Formal and informal tests and procedures for measuring and evaluating achievement and attitudes in reading ability are examined. Basic concepts related to measurement and interpretation of standardized tests and their results are emphasized. Attention is given to statistical concepts and skills essential in reading education. Practical experience is provided in constructing tests, test administration, and interpretation of test scores. Uses of computers in construction of tests and analysis of test results are explored.

EDUC 653 TEACHING READING TO MULTICULTURAL POPULATIONS 3 CREDITS

Former course number 553 *Prerequisites:* None

This course focuses on special techniques, attitudes, and materials essential for meeting the needs of learners with unique and special abilities and characteristics related to diverse cultural backgrounds. Attention is given to public laws governing education related to various populations. Community resources are explored. Major issues are examined. Ways in which computers can improve reading for students of diverse cultural backgrounds and abilities are examined.

EDUC 656 READING IN CONTENT FIELDS 3 CREDITS

Former course number 545 *Prerequisites:* None

The purpose of this course is to help prospective teachers, classroom teachers, reading and language arts specialists and teachers in content fields develop knowledge, understanding, attitudes, and competencies essential for concept development through content reading at all levels of school. Special attention is given to problems in reading faced by teachers in content areas in middle and secondary schools. Students examine computers and software for their potential for improving reading in content fields.

EDUC 701 LEARNING AND TEACHING 3 CREDITS

Former course number 501 *Prerequisites:* None

This course is designed to: (1) provide a review of effective teaching based on an understanding of human development and the nature of learning; (2) explore the topics of learned behavior, reinforcement, motivation, interest, retention and concept formation; (3) consider the analysis and interpretation of significant research in the various disciplines which have contributed to the knowledge of learning and teaching; (4) emphasize the factors which facilitate learning; and (5) identify the role of the teacher in the learning environment.

EDUC 705 RECENT ISSUES IN EDUCATION 3 CREDITS

Former course number 505 *Prerequisites:* None

Emphasis in this course is upon the analysis of selected recent issues in education for critical study. It further includes emphasis upon broad reading of the research and literature in order to appraise current issues in terms of needs of children and society.

EDUC 706 INTRODUCTION TO RESEARCH 3 CREDITS

Former course number 506 *Prerequisites:* None

This course is designed to provide the graduate student with an understanding of the various kinds of behavioral research and to develop an understanding of various research designs appropriate to behavioral sciences. Use of basic statistical techniques appropriate to these designs is included.

EDUC 713 CURRICULUM CHANGE AND INSTRUCTIONAL METHODS 3 CREDITS

Former course number 513 *Prerequisites:* None

This course emphasizes strategies for change in the school curriculum with respect to (1) methodologies of teaching, (2) personalized instructions, (3) curriculum design, and (4) teacher roles.

EDUC 748 TEACHING READING IN SECONDARY SCHOOLS 3 CREDITS

Former course number 548 *Prerequisites:* None

The major purpose of this course is to sensitize students to the importance of and need for implementation of reading instruction in middle and secondary schools. Special attention is given to developmental aspects of reading at these levels, the roles of the various staff members in the reading program, the roles of parents, utilization of the library, community resources, and development of study strategies and skills.

EDUC 749 LABORATORY EXPERIENCES IN DIAGNOSIS CORRECTION AND 3 CREDITS

Former course number 549 *Prerequisites:* EDUC 544, EDUC 645, EDUC 646, EDUC 534

This is an advanced course in supervised laboratory experiences in classroom and clinical situations for purposes of diagnosing, correcting and/or remediating individual's difficulties in reading. Practicum experiences are provided in a public school setting and require attendance beginning at 4:00 p.m. on scheduled dates.

EDUC 751 SEMINAR IN READING 3 CREDITS

Former course number 551 *Prerequisites:* Completion of 30 semester hours of the reading program

This seminar is designed to assist students in the completion of a research paper based on the student's research in relation to extensive studies in reading and reading education. This course must be taken during the last semester of the degree program.

EDUC 769 PRACTICUM IN SECONDARY EDUCATION 3 CREDITS

Former course number 569 *Prerequisites:* None

To provide an opportunity for students to place the theory of secondary education into practice in a supervised atmosphere, students will be placed in settings that differ from their previous experiences. This course must be taken during the last six hours of the degree program.

EDUC 806 SUPERVISED INTERNSHIP II (Practicum Field Experience, Part II) 6 CREDITS

Former course number 606 *Prerequisites:* None

Supervised Internship II provides an on-site, supervised instructional experience within the public school setting under the leadership of an appropriate, competent professional. Supervised practice and learning experiences are included to enable the aspiring teacher to teach, consolidate knowledge, observe others at work, apply skills and techniques, and construct a philosophy of teaching. This course makes provisions for practicum experiences for students in K-6 and 7-12 settings according to the students' needs. The student in Supervised Internship II will be expected to complete a full semester of supervised teaching. The student will be placed in a classroom with a qualified teacher for direct supervision. This course must be taken after Supervised Internship I (EDUC 605) and Perspectives and Methods in Teaching (EDUC 604). The student must have been advanced to candidacy and have completed the appropriate components of PRAXIS.

EDUC 836 SEMINAR IN ELEMENTARY EDUCATION 3 CREDITS

Former course number 563 *Prerequisites:* None

This seminar has three main purposes: (1) to assist the student in completing the research paper requirement; (2) to review major topics in the area of concentration; and (3) to achieve an in-depth exploration of major issues and trends in the area of elementary education. The seminar must be taken during the last six hours of the degree program.

EDUC 839 CURRICULUM MATERIALS AND APPRAISAL 3 CREDITS

Former course number 539 *Prerequisites:* None

This course emphasizes appraisal of the concepts and principles of new curricula, kindergarten through grade 12, with consideration given to content, teaching methods, and materials of current curriculum projects and published materials.

EDUC 840 SEMINAR: SECONDARY EDUCATION 3 CREDITS

Former course number 540 *Prerequisites:* None

This course is designed to review major topics in the area of concentration and to achieve an in-depth exploration of major issues and trends in secondary education. The seminar must be taken during the last six hours of the degree program.

English

ENGL 501 RESEARCH METHODS AND HUMANITIES COMPUTING I 3 CREDITS

Former course number 501 *Prerequisites:* None

This course prepares students for graduate study in English with training in Humanities Computing. Students will examine research sources, methodologies, and related topics; current scholarship in modern languages and literature; and the history of academic literary studies. Students will also study searching techniques for Public Access Catalogs, electronic databases, and the Internet. Students will work with electronic media: CD-ROMs and text analysis software. Students will be introduced to a wide variety of electronic resources, including newsgroups, LISTSERVs, and web sites.

ENGL 502 METHODS AND HUMANITIES COMPUTING II 3 CREDITS

Former course number 502 *Prerequisites:* None

This course prepares students for graduate study in English with training in Humanities Computing. Students will apply their knowledge of resources (traditional and electronic) and methodologies. Students will obtain an overview of contemporary literature theory to explore resulting issues and conflicts. Students will advance their knowledge of Humanities Computing by learning about available Humanities Computing resources; by studying TEI (Text Encoding Initiative), HTML (HyperText Markup Language), and SGML (Standard Generalized Markup Language); by writing web pages and hypertext applications with HTML, and by analyzing and preparing electronic texts (including SGM-L Standard General Markup Language

ENGL 601 RHETORICAL THEORIES AND PRACTICES I 3 CREDITS

Former course number 503 *Prerequisites:* None

This course will trace the historical influence of the rhetorical tradition on today's discourse as it is used in various contexts and communities. Students will study the language of rhetorical analysis and apply its principles to various texts, including essays, letters, and speeches. Students will experience the principles of rhetorical theory first-hand through a series of assignments (described on the syllabus). With its emphasis on argument and the relationship between writer, text, and audience, the course could be useful for practicing classroom teachers as well as those intending to enter the classroom.

ENGL 602 RHETORICAL THEORIES AND PRACTICES II 3 CREDITS

Former course number 504 *Prerequisites:* None

This course focuses on modern/contemporary rhetorical theories and how to use these theories to analyze examples of modern/contemporary discourse. The goal is to determine how an argument is built or meaning created for the reader or writer of a piece of discourse.

ENGL 710 SPECIAL TOPICS IN FICTION 3 CREDITS

Former course number 510 *Prerequisites:* None

ENGL 711 SPECIAL TOPICS IN POETRY 3 CREDITS

Former course number 511 *Prerequisites:* None

An intensive study of poetry, including the literary traditions of America and/or Great Britain and prosody. The course will investigate the formal techniques of poetry as they reflect both aesthetic and cultural ideologies. Additionally, an understanding of the literary and historical traditions of the poetry will provide context for the work.

ENGL 712 SPECIAL TOPICS IN DRAMA 3 CREDITS

Former course number 512 *Prerequisites:* None

This course provides an intensive study of drama. The course investigates the formal techniques of drama as they reflect both aesthetic and cultural ideologies. Additionally, an understanding of the literary and historical traditions of drama provides contexts for the works.

ENGL 713 SPECIAL TOPICS IN WOMEN LITERATURE 3 CREDITS

Former course number 513 *Prerequisites:* None

An in-depth, cross-cultural study of selected women's literary expression and representation encompassing the genres of fiction, non-fiction prose, poetry, orature, and film. These works will be grouped under the topics: early Western feminist thought; women's autobiographical writing; the literature of women in migration; post-colonial and post-slavery women's writing; women's orature and women's representation in film. Current feminist critical theory will be studied and applied where appropriate with the respective social, political, cultural and historical contexts of the works being taken into accounts.

ENGL 714 SPECIAL TOPICS IN ETHNIC/MULTICULTURAL LITERATURE 3 CREDITS

Former course number 514 *Prerequisites:* None

This course is an in-depth study of literary works written in English by contemporary ethnic minority writers in North America. Students will explore representative works-- in fiction, non-fiction prose, poetry, drama, and criticism—in the context of minority discourse. Past offerings of this course focused on Asian American literature—encompassing Chinese American literature, Filipino American literature, Japanese American literature, South Asian American literature, and Vietnamese American literature.

ENGL 715 SPECIAL TOPICS IN AUTOBIOGRAPHICAL LITERATURE 3 CREDITS

Former course number 515 *Prerequisites:* None

An intensive study of American autobiography primarily from a historical perspective. This course will explore various forms of the genre, including the diary and journals, letters, slave narratives, essay, and memoir. Topics to be addressed include the ways autobiographies reveal or reflect the social history of the United States, the relationship of literacy to freedom in the African American community, and the reasons for the autobiography being the preferred form of first-generation immigrants. Larger theoretical issues include the nature of "truth" in autobiographical texts and the boundaries between fiction and autobiography.

ENGL 733 SEMINAR IN LITERATURE OF THE CARIBBEAN 3 CREDITS

Former course number 533 *Prerequisites:* None

ENGL 734 SEMINAR IN LITERATURE OF THE EAST 3 CREDITS

Former course number 534 *Prerequisites:* None

An intensive study of the literary tradition of China or India or Japan. Representative works— in non-fiction prose, fiction, poetry, and drama--will be studied in the cultural, historical, social contexts in which they were written. And, where appropriate, the theories of literature of each tradition will be explored.

ENGL 737 CRITICISM AND THEORY 3 CREDITS

Former course number 537 *Prerequisites:* None

This course examines literary practice and theory from Plato to the present. Particular attention will be paid to trends in contemporary criticism and theory from Historical-Biographical Criticism to Formalism (New Criticism) to Structuralism, Deconstruction, Reader-Response, New Historicism and Cultural Materialism, Feminist Criticism, Marxist Criticism, Psychological Criticism, Post-colonial Criticism and Multiculturalism, Narratology, and Cultural Criticism.

ENGL 755 SEMINAR IN AMERICAN LITERATURE 3 CREDITS

Former course number 555 *Prerequisites:* None

An intensive study of American literature, this seminar will focus on one of the following areas of exploration: (1) a literary movement or period, (2) a major writer, (3) a theme that runs through literary works by a number of American writers, (4) the influence of one major writer on another major writer.

ENGL 756 SEMINAR IN BRITISH LITERATURE 3 CREDITS

Former course number 556 *Prerequisites:* None

This course is a seminar in a topic or topics in English literature. Possible topics include, but are not limited to, the history of the English novel; Gothic and horror literature; Romanticism and revolution; pastoral poetry; the epic and romance tradition; Victorian decadent writers; the stream of consciousness novel; utopian/dystopian literature, and etc. This course is designed to enhance the ability of students to apply various trends in critical theory (such as feminism, deconstruction, psychoanalytic criticism, new historicism, reader-response criticism, cultural criticism, multiculturalism, etc.) to a particular aspect of or approach to English literature, which falls under the rubric of a particular genre, mode, period, movement, or theme.

ENGL 757 SEMINAR IN AFRICAN AMERICAN LITERATURE 3 CREDITS

Former course number 557 *Prerequisites:* None

An in-depth exploration of the major genres, themes, styles and traditions that link literary voices of contemporary African American writers with their historical literary ancestors. Using representative works in fiction, non-fiction prose, poetry, oratory, criticism, and film, the course will examine the African American experience from the cultural, historical, and socio-political perspective of the African American writer.

ENGL 758 SEMINAR IN AFRICAN LITERATURE 3 CREDITS

Former course number 558 *Prerequisites:* None

ENGL 759 SEMINAR IN WORLD LITERATURE 3 CREDITS

Former course number 559 *Prerequisites:* None

This seminar will explore in depth a theme common to the literature of one or more countries or geographical regions of the world.

ENGL 763 SPECIAL TOPICS IN LINGUISTICS 3 CREDITS

Former course number 563 *Prerequisites:* None

This course will examine a range of contemporary issues in linguistics that relate to how people acquire or learn language and how they use language to accomplish various purposes. The focus of the course may vary from one semester to another. The students will appreciate the central role of language in people's lives. The readings will highlight how people's attitudes affect language and language use, and how language affects people and their attitudes. Other issues such as the role of age in language learning and acquisition will be covered on occasion.

ENGL 799 COMPREHENSIVE EXAMINATION 0 CREDITS

Former course number 699 *Prerequisites:* None

ENGL 800 PRACTICUM IN TEACHING COLLEGE COMPOSITION 3 CREDITS

Former course number 600 *Prerequisites:* None

This practicum provides supervised teaching experience in the freshman composition program (English 100, 101, or 102) as preparation for teaching at the community college, college, or university levels. Students will teach one course under the direction of the Director of Freshman Composition; develop specific instructional units that meet the goals of the relevant syllabus; grade student essays; keep a journal of their classroom teaching experiences, focusing on the application of the theory and research learned in 503 and 504; and write a final evaluative paper.

School Administration and Supervision

ESAS 704 SCHOOL AND COMMUNITY RELATIONS 3 CREDITS

Former course number 504 *Prerequisites:* None

This course is designed to consider how issues and confrontations, such as school personnel, pupils, parents, and representatives of social institutions and agencies, interact. The question to resolve is how the school may best use the human resources surrounding it to the enhancement of its goals and its programs.

ESAS 705 RECENT ISSUES IN EDUCATION 3 CREDITS

Former course number 505 Prerequisites: None

Emphasis in this course is upon the analysis of selected recent issues in education for critical study. It further includes emphasis upon broad reading of the research and literature in order to appraise current issues in terms of needs of children and society.

ESAS 720 PROBLEMS AND TECHNIQUES IN CONTEMPORARY 3 CREDITS

Former course number 520 Prerequisites: None

This course is designed to assist the student to prepare for management of educational organizations and programs. Emphasis will be upon identifying specific problems and developing specific techniques by which to solve them. The student will gain an understanding and application of system analysis as it applies to leadership, organizational systems, communications, and change and sustenance of existing systems; human management and technical skills will be emphasized. Major topics to be explored will be accountability, mainstreaming, teacher stress and burn out, alternative approaches to discipline, drugs and alcohol, declining enrollment, and alternative methods for evaluating teachers and students. The student will be afforded the opportunity for input and to suggest other specific topics of interest.

ESAS 722 SCHOOL ADMINISTRATION 3 CREDITS

Former course number 522 Prerequisites: None

This is a core course and must be taken prior to taking the preliminary examination and being advanced to candidacy. This course emphasizes the organization and administrative practices involved in operating a modern school. The course introduces theories pertaining to leadership, organization, communications, change and sustenance of existing systems as they pertain to managerial, human and technical skills and how they are applied to increase the effectiveness and efficiency of existing systems.

ESAS 724 PUBLIC SCHOOL FINANCE 3 CREDITS

Former course number 524 Prerequisites: None

This course includes analysis and discussion of current local, state, and national sources of revenue for the support of public education and a study of school financial practices, including budgetary processes in detail and some principles of sound management of income and expenditures, bonding procedures, accounting, and auditing.

ESAS 727 SCHOOL LAW 3 CREDITS

Former course number 527 Prerequisites: None

This is a core course and must be taken prior to taking the preliminary examination and being advanced to candidacy. This course is designed to make legal matters understandable to non-lawyers by appraising the laws under which teachers and administrators are employed; to delve into legal principles underlying statutes and court decisions; to provide answers to questions which involve individuals and institutions, and to make clear the process of negotiating. The course is intended to give prospective teachers a better understanding of an area that affects their professional environment.

ESAS 731 SCHOOL CURRICULUM DEVELOPMENT 3 CREDITS

Former course number 531 Prerequisites: None

This course is a survey of the structure of the school curriculum, with emphasis on the (1) historical aspects, (2) current philosophical, psychological, and social bases, (3) processes, and (4) current research in curriculum development. Individual projects may be selected for early childhood, elementary or secondary education levels of interest.

ESAS 757 SCHOOL SUPERVISION 3 CREDITS

Former course number 557 Prerequisites: None

This is a core course and must be taken prior to taking the preliminary examination and being advanced to candidacy. This course emphasizes the nature of organization, human relationships and techniques involved in supervision. Particular emphasis is placed on the application of the skill, mix, recent research, and dynamics of group behavior in accomplishing the goals and objectives of the organization, individual schools, and specific departments and grade levels.

ESAS 825 SEMINAR IN SCHOOL ADMINISTRATION AND SUPERVISION I 2 CREDITS

Former course number 525 *Prerequisites:* None

This seminar has three main purposes: (1) to assist the student in completing the research paper requirement; (2) to review major topics in the area of concentration; and, (3) to achieve an in-depth exploration of major issues and trends in the area of school supervision. A previous course in administration or supervision is a prerequisite for this seminar. The seminar must be taken during the last six hours of the degree program. The student must have been advanced to candidacy and have passed the Graduate Comprehensive Examination.

ESAS 828 SEMINAR IN SCHOOL ADMINISTRATION AND SUPERVISION II 2 CREDITS

Former course number 528 *Prerequisites:* None

ESAS 855 PRACTICUM FOR SCHOOL ADMINISTRATION AND SUPERVISION I 2 CREDITS

Former course number 555 *Prerequisites:* None

This course provides supervised practice and simulated learning experiences that enable the aspiring administrator or supervisor to consolidate his/her knowledge, observe others at work, apply skills and techniques, and organize a philosophy. This course must be taken during the last six hours of the degree program. The student must have been advanced to candidacy and have passed the Graduate Comprehensive Examination.

ESAS 858 PRACTICUM FOR SCHOOL ADMINISTRATION AND SUPERVISION II 3 CREDITS

Former course number 558 *Prerequisites:* None

Finance

FINA 520 FINANCIAL MANAGEMENT 3 CREDITS

Former course number 520 *Prerequisites:* None

Presents the graduate-level overview of the essential concepts of financial management. The orientation is managerial, with emphasis on the recognition and solution of financial problems as they confront the financial manager in a business environment.

FINA 621 CORPORATE FINANCE 3 CREDITS

Former course number 521 *Prerequisites:* None

Applies the theory of corporation finance. Market efficiency, capital structure, capital budgeting, dividend policy are explored.

FINA 622 FINANCIAL INSTITUTIONS 3 CREDITS

Former course number 522 *Prerequisites:* None

Applies the theory of financial intermediation. The behavior of commercial banks, mutual saving banks, credit union, insurance companies is explored. Topics to be covered include government regulations, the Federal Reserve System and the Federal Deposit Corporation, interest rates, money supply, and insurance.

FINA 623 INTERNATIONAL FINANCE 3 CREDITS

Former course number 523 *Prerequisites:* None

Provides the concepts and techniques of the operations of business in international environments. Multi-national corporations, ethical issues facing the multinational corporations, exchange rates and their effects, managing cultural and political risk, international trade agreements are important topics to be covered.

FINA 721 INVESTMENT BANKING AND CAPITAL MARKETS 3 CREDITS

Former course number 621 *Prerequisites:* None

Provides the concepts of international banking and capital markets. Integrates the modes of financing international transactions by means of deposits, bonds, stocks, and other financial instruments. Evaluates the roles of credit, interest rates, and foreign exchange in international banking and capital markets.

FINA 722 SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT 3 CREDITS

Former course number 622 Prerequisites: None

Evaluates a wide range of short-term and long-term vehicles. Treasury bills, commercial papers Euro-dollars, bankers' acceptances, common stocks, preferred stocks, and commercial bonds, the effects of interest rates on short-term and long-term vehicles are examined.

FINA 723 SPECULATIVE MARKETS 3 CREDITS

Former course number 623 Prerequisites: None

The course analyzes the concept of speculation. Day trading puts and call options, speculative stocks, and junk bonds and their impact on financial markets

Human Resource Development

HURD 607 BASIC STATISTICS AND RESEARCH DATA ANALYSIS IN HUMAN 3 CREDITS

Former course number 607 Prerequisites: None

This course provides students with basic knowledge and skills in using both descriptive and inferential statistics to analyze research data in the area of human resource and organization assessment and development. Emphasis will be placed on using the Statistical Package for the Social Sciences (SPSS) to analyze research data. Data sets that are used give students experience with univariate, bivariate, and multi-variate analysis at the nominal/ordinal level and with regression/correlation analysis at the interval level of measurement. The course will also focus on topics such as measures of central tendency, variability, sampling, instrument selection design, hypothesis testing.

HURD 608 CAREER DEVELOPMENT & OCCUPATIONAL ASSESSMENTS 3 CREDITS

Former course number 608 Prerequisites: None

This course provides students with an overview of the application of career development management principles in organizations. The major thrust of the course will focus on developing counseling and human resources skills of the human resource practitioner. Attention will be given to the HRD practitioner's role in the design, development, and implementation of organization programs to ensure maximum utilization of a diverse work force. Counseling strategies, theories of career development, and individual assessment will be a major part of the course work.

HURD 620 PRINCIPLES OF MANAGEMENT/HUMAN RESOURCE 3 CREDITS

Former course number 620 Prerequisites: None

This course presents an analysis of problems, issues, and opportunities in managing human resources and developing and utilizing an effective, productive and satisfied workforce. The course focuses on the evaluation of application of HRD principles to business, industry, government, and non-educational settings. Basic concepts of employee training, education, and development are examined as well as the major roles of the human resource development practitioner. Emphasis is placed on the effective integration of human resources development into organization systems.

HURD 656 TECHNOLOGY USE IN HUMAN RESOURCE DEVELOPMENT 3 CREDITS

Former course number 656 Prerequisites: None

This course is designed to enable participants to develop a comprehensive and integrated approach to the utilization of computer-based applications in the development of human resources. Participants will explore current concepts, examine a variety of CBT applications, conduct a computer-based learning exercise and/or study, become acquainted with authoring systems, and learn to perform cost-effective analysis of CBT systems.

HURD 668 PRESENTATION & FACILITATION SKILLS 3 CREDITS

Former course number 668 Prerequisites: None

This course combines practical application and theory in developing dynamic trainers and powerful presenters. The course will focus on facilitation and presentation skills, and competencies needed to compete as an effective trainer in a diverse workforce.

HURD 690 FUNDAMENTALS OF ADULT LEARNING 3 CREDITS

Former course number 690 Prerequisites: None

The thrust of the course will focus on the theory, techniques, and practices of the adult learners. The goal is to understand the inroads to motivating, coaching, instructing, developing plans and projects, and evaluating the desires and efforts of the adult learner to learn. The course will explore the Andragogy Model for its applications in business, industry.

HURD 700 HRD Workshop: Cutting Edge Trends 3 CREDITS

Former course number 600 Prerequisites: None

HURD 713 INTRODUCTION TO HUMAN RESOURCE DEVELOPMENT 3 CREDITS

Former course number 601 Prerequisites: None

This basic course is designed to provide an overview of the principles and philosophy associated with the field of Human Resource Development. The course will explore the major thrust of HRD, its activities, roles, and functions in the organization. Training, education, and development are major areas of examination with regard to their impact on human performance and productivity. The American Society for Training and Development (ASTD) publication, *Models for Excellence*, will be used as a major reference for this course.

HURD 730 CONSULTING IN HUMAN RESOURCE DEVELOPMENT 3 CREDITS

Former course number 630 Prerequisites: None

This course explores the role of the HRD consultant from the perspective of a resource person for internal and external consulting. This course is designed to enable learners to understand and apply theories and methodologies to real life situations. Learners will be exposed to field experiences, which will assist in the development of their practitioner skills. Knowledge and skills will be further enhanced through critical analysis, group discussions and instructive conversation.

HURD 732 ORGANIZATIONAL BEHAVIOR MODES AND SMALL GROUP 3 CREDITS

Former course number 632 Prerequisites: None

This course analyzes concepts of formal organizations, conceptual models which purport to depict organizational behavior, and focuses on change for accomplishment of established goals and objectives. The dynamics of small group behavior, self-awareness, interpersonal communications and interaction, membership roles, decision-making processes and group assessment will be emphasized with regard to their impact on the organizational structure.

HURD 736 PRACTICUM IN HUMAN RESOURCE DEVELOPMENT 3 CREDITS

Former course number 636 Prerequisites: 30 hours in the program, including HURD 632, HURD 606,

The practicum is designed to provide practical applications of human resource development skills in a business and industry, governmental agency, or non-profit setting. Each student will plan and implement a field project under the supervision of a faculty member in advance of registration. The student arranges a working relationship with a faculty member and prepares a learning experience in an appropriate business setting that must be submitted to the Human Resource Development program coordinator prior to registration.

HURD 741 ORGANIZATION DEVELOPMENT (OD) 3 CREDITS

Former course number 641 Prerequisites: None

This course is designed to provide an understanding of the underlying theory of organization change and intervention; to explore how various change strategies can be applied to problems involving people in intact systems; and to analyze successful approaches and techniques in organization development, to include materials, techniques, designs, current issues and practices in organization development. Other topics covered in the course will be understanding the organization as a system, organization assessment, team building and intergroup work as OD intervention, entry strategies, internal/external change agent, and third-party consultation.

HURD 748 LEADERSHIP DEVELOPMENT 3 CREDITS

Former course number 648 *Prerequisites:* None

This course is designed to allow opportunities for persons to examine various questions about leadership including: What is it? What is the process? What makes for effective leadership and why? What influence can an individual really have on an organization? Is there something really different needed in leadership in the 21st century? Does leadership really make a difference? It is also designed to assist participants in gaining deeper insights about themselves in both the leadership and followership roles. It is designed with the intent of having both students and instructor collaborate in the learning process toward mutual growth and development. Emphasis is also placed on assisting the participants in gaining the knowledge, skills and insights necessary for developing leadership development systems within a variety of organizational types.

HURD 764 TRAINING I: PROCESS AND PRACTICE 3 CREDITS

Former course number 664 *Prerequisites:* None

The roles and responsibilities of training and development and their impact on organizational structure are analyzed. The course focuses on the development of knowledge, skills, and awareness needed to design and deliver effective training programs/curriculum. Students examine adult learning concepts and principles for the purpose of developing training programs that reflect participants' needs and emphasize achieving well-defined objectives. Strategies and techniques are exploited for systematic development of training, beginning with needs analysis and ending with program evaluation.

HURD 765 TRAINING II: PROCESS AND PRACTICE 3 CREDITS

Former course number 665 *Prerequisites:* HURD 664

The course focuses on the specialization of knowledge, skills, and awareness needed for the training specialist or manager of human resource development programs. Emphasis is placed on the role of the expert internal or external trainer. Mastery of all aspects of the training and development process is expected. Technology and training strategies and techniques are explored for the systematic development of the training process. The course builds on adult learning concepts and principles for the purpose of developing training programs presented in HURD 664.

HURD 774 HUMAN RESOURCE DEVELOPMENT: A STRATEGIC APPROACH 3 CREDITS

Former course number 674 *Prerequisites:* None

This course develops the ability to recognize, analyze and define problems within and outside of the organization, to identify management choices and to implement appropriate action. The course stresses assessment of the short- and long-term implications of taking certain actions.

HURD 806 RESEARCH PLANNING: ANALYSIS, INTERPRETATION, PROPOSAL 3 CREDITS

Former course number 606 *Prerequisites:* None

This course is designed to 1) provide the human resource development practitioner with an understanding of the various kinds of educational and business research. The focus will be given to business research, design strategies, evaluation and report writing. The use of basic statistical techniques appropriate to these designs are included; and 2) The identification, design and implementation of an organizational intervention to satisfy a need, alleviate a problem, or create a new initiative. These projects are to be a highly sophisticated application of principles learned through experience in the HRD program and supplemented through research made necessary by the nature and scope of project undertaken.

HURD 880 INTEGRATIVE SEMINAR: CRITICAL ENGAGEMENT PROJECTS IN 3 CREDITS

Former course number 680 *Prerequisites:* HURD 606

This course has a dual foci: (1) to provide an academic framework in which human resource practitioners can synthesize their knowledge, and (2) guidance in the application of the knowledge and skills obtained as projects developed during the planning stage (HURD 606) are completed. Topics include current issues in adult learning, training and education; design of training programs; consultant-client relationships; management strategies for change; analysis of social forces; and special projects based on student interests.

HURD 881 RESEARCH ADVISEMENT 3 CREDITS

Former course number 681 Prerequisites: None

This advisement course is offered to participants who need extended time to complete practicum or research projects.

Management Information Systems

INSS 500 INTRODUCTION TO INFORMATION SYSTEMS 3 CREDITS

Former course number 500 Prerequisites: None

This course is designed to prepare the student to successfully enter and complete the MIS Master's program. The course will cover basic computer and information concepts, including general computer literacy, computer programming, and information concepts appropriate for the MIS professional. In addition, the fundamental statistical concepts necessary for professional information systems work will be reviewed. Emphasis will be placed on hands-on laboratory work that will acquaint the student with various software packages and hardware platforms.

INSS 510 COMPUTER CONCEPTS 3 CREDITS

Former course number 510 Prerequisites: Fulfillment of all required prerequisite courses or consent of

This course will provide an overview of basic computer concepts as they apply to MIS professionals. Emphasis will be placed on basic machine architecture, including data storage; manipulation; the human-machine interface, including the basics of operating systems, algorithms, and programming languages. In addition, the basic concepts of data organization, including data and file structures, will be examined. Emerging trends in computer technology and their impact on organizational information systems will also be discussed. .

INSS 584 MANAGEMENT STATISTICS 3 CREDITS

Former course number 584 Prerequisites: None

INSS 615 PRINCIPLES AND PRACTICES OF INFORMATION SYSTEMS 3 CREDITS

Former course number 615 Prerequisites: Graduate Standing

This course introduces the concepts and foundations of information systems development. A systems approach to the architecting, engineering, and management of information systems is emphasized. The course discusses the principles underlying systems modeling, design, construction, testing, and deployment. It provides the state of the art and state of the practice in information systems and software engineering, agile development, software quality and project management, change management, and Web development. The framework and technologies for building software and other systems that exhibit high reliability, usability, security, availability, scalability, and maintainability are presented

INSS 620 SOFTWARE STRUCTURES 3 CREDITS

Former course number 520 Prerequisites: Fulfillment of all required prerequisite courses or consent of

This course will provide an in-depth look at software from a design and implementation perspective. Language semantics, syntax, and specification and implementation of data structures will be examined. Characteristics of non-procedural, heuristic and object-oriented languages will be examined. Current developments in software engineering methodologies will be reviewed as well as research into the improvement of those practices. Software project management concepts and software quality issues will also be addressed. A programming project will be required.

INSS 625 INDIVIDUAL AND GROUP DYNAMICS IN ORGANIZATIONS 3 CREDITS

Former course number 525 Prerequisites: INSS 510, 520 or consent of Instructor

Many information systems fail due to organizational and behavioral issues. This course will examine the dynamics of individuals and groups as they relate to the design, development, and implementation of information systems within organizations. Information systems will be discussed within the context of an overall socio-technical framework. The organizational culture and politics of change within groups will be discussed. The role of the system analyst as a change agent will be examined.

INSS 630 INFORMATION SYSTEMS IN ORGANIZATIONS 3 CREDITS

Former course number 530 Prerequisites: INSS 510 or consent of Instructor

This course will introduce basic management information systems concepts and examine the fundamental types of information systems. Personal, work group and enterprise information systems will be discussed. The challenge and use of information to gain competitive advantage will be examined. Other topics to be discussed include: the economics of information use of valued added concepts to evaluate information system effectiveness, and the application of system theory to information system architecture.

INSS 635 COMMUNICATIONS THEORY 3 CREDITS

Former course number 535 Prerequisites: INSS 510, 520 or consent of Instructor

This course will provide the student with an in-depth analysis of the theory of statistical communication, including applied probability, stochastic processes, random noise theory, linear/nonlinear operations, analysis systems, random inputs, and random parameters.

INSS 636 INFORMATION SYSTEMS AND TELECOMMUNICATIONS 3 CREDITS

Former course number 536 Prerequisites: INSS 510, 530 or consent of Instructor

The primary objective of this course is to provide students with an overview of the principles of telecommunications. It will include the following topics: application of telecommunications transmittal, data-enhancing flow of information within the organization, identification of opportunities to apply technology to support the organization, terminology, hardware, and software analysis of needed specifications for designing telecommunications systems.

INSS 638 DATA COMMUNICATION SYSTEMS NETWORKS 3 CREDITS

Former course number 538 Prerequisites: INSS 510, 520, 530 or consent of Instructor

This course provides analysis of data communications technology and the application of data communications technology within the public and private sector enterprise. It gives an in-depth view of the communications environment, data communications and telecommunications equipment, and local and wide area networks. The Student will examine case studies in communications systems design in educational, industrial, governmental, and military environments.

INSS 640 INFORMATION SYSTEMS ANALYSIS AND DESIGN 3 CREDITS

Former course number 540 Prerequisites: INSS 510, 520, 530 or consent of Instructor

This course will provide an in-depth look at all phases of information systems development. Requirement acquisition methodologies will be reviewed and evaluated with respect to different application areas. Logical design will be reviewed and implementation issues will be addressed. Data-centered as well as process-centered approaches to system design will be reviewed. Particular design methodologies, including structured design and objected-oriented design will be discussed. Life cycle as well as heuristic approaches to system development will be examined and discussed. Organizational and behavioral issues with respect to information system development will be examined. An analysis and design project will be required.

INSS 650 DATABASE MANAGEMENT AND DECISION SYSTEMS 3 CREDITS

Former course number 550 Prerequisites: INSS 510,520, 530 or consent of Instructor

This course will examine database concepts and practices as they relate to business environments. Various database structures, including relational and object-oriented, will be discussed. Concepts of distributed database architecture will be explored. Design, development, and implementation of databases will be examined. Organizational issues concerning the implementation of databases will also be examined. The role of data in the decision-making process will be examined. Decision support system architectures will be reviewed, with emphasis on the database component. Issues of intelligent databases will be discussed. A database project will be required.

INSS 655 HUMAN INFORMATION PROCESSING 3 CREDITS

Former course number 555 Prerequisites: INSS 510,520 or consent of Instructor

This course will examine human information processing capabilities and limitations as they relate to the design, development, and implementation of information systems. Artificial intelligent methodologies for the emulation and enhancement of human information processing will be examined. Expert system, neural net, and natural language processing will be discussed.

INSS 715 KNOWLEDGE MANAGEMENT SYSTEMS 3 CREDITS

Former course number 615 Prerequisites: None

INSS 720 INFORMATION SYSTEMS POLICY 3 CREDITS

Former course number 620 Prerequisites: INSS 540 or consent of Instructor

This course will examine the issue of linking business performance with information systems technology. Alternative structures for matching the information system organization with the overall organization will be discussed and evaluated. Planning mechanism and strategies will be examined. Behavior and legal issues that relate to information systems management will be addressed. Case studies will be used to expose students to information systems policy issues.

INSS 735 INFORMATION SYSTEMS SECURITY 3 CREDITS

Former course number 635 Prerequisites: INSS 510, 520, 530 or consent of Instructor

This course explores security policies, policies, models, and mechanics for secrecy, integrity, and availability. Topics include operating systems models and mechanisms for mandatory and discretionary controls; data models, concepts, and mechanisms for database security; basic cryptography and its applications; security in computer networks and distributed systems; as well as control and prevention of viruses and other malicious programs.

INSS 745 SYSTEMS PROBLEM SOLVING METHODS 3 CREDITS

Former course number 645 Prerequisites: INSS 510, 520, and 530

This course covers a broad range of the information management issues, concerns, and approaches for the identification, measuring, and controlling the process of solving complex systems problems. It explores general and specific methods for effective and efficient solution to a variety of information systems problems encountered in the private and public sectors. The course will give students a thorough understanding of the universality of systems thinking and the dynamic nature of systems problems. Students will be exposed to a life cycle approach to selecting, developing, and testing alternative solutions. The students will also be introduced to both quantitative and qualitative techniques for preparing and/or presenting managerial reports.

INSS 765 INFORMATION MEASURES 3 CREDITS

Former course number 665 Prerequisites: INSS 510, 520, and 530

This course focuses upon the theory of quantitative methods of information measurement. Measurement functions and syntactic, semantic and pragmatic levels of information measures and their application in communication systems will be examined.

INSS 775 INFORMATION SYSTEMS PROJECT MANAGEMENT 3 CREDITS

Former course number 675 Prerequisites: INSS 530, 540 or consent of Instructor

This course will provide of overview of the project management process as it relates to information systems. Project management techniques and methodologies for information systems development will be examined. Important issues that will be addressed include scheduling, resource allocation, risk assessment, contingency planning, management, and user reporting, and automated project management systems. A survey of automated project planning tools will be included.

INSS 825 ISSUES IN INFORMATION SYSTEMS MANAGEMENT 3 CREDITS

Former course number 625 Prerequisites: INSS 540, 620 or consent of Instructor

In this course, current issues in information systems management that relate to the integration and implementation of new information systems technology into the organization will be discussed. Possible topics include: managing end-user computing, integrating artificial intelligence capabilities into information systems, and using intelligent databases. The focus of this course will be on the management issues raised by the adoption of new information systems technology.

INSS 880 INFORMATION SYSTEMS PRACTICUM 3 CREDITS

Former course number 680 Prerequisites: Advancement to candidacy, INSS 540, 550, and 620.

This course provides the student with practical experience in analyzing, designing, implementing and evaluating an information system in industrial, governmental, educational, or military environments. The student is assigned a systems development project where all of the systems development cycles can be experienced. Students can be placed in practicum sites independently or in a team to acquire practical experience.

INSS 885 SPECIAL TOPICS: e-BUSINESS VENTURE CREATION 3 CREDITS

Former course number 685 Prerequisites: INSS 510, 520, 530 or consent of Instructor

This course integrates theory and practice in providing the student hands-on experience in the creation and development of a growth-oriented new e-business venture. Working in teams, students take a multi-disciplinary approach to the preparation and presentation of a professional business plan. The course focuses on developing skills critical to venture success, including team building, organizing, planning, integrating, and persuading. In addition, students will analyze award winning business plans from the MOOT CORP Competition. The course provides students the opportunity to write award-winning business plans and present the plans to investors.

INSS 890 PROFESSIONAL SEMINAR 3 CREDITS

Former course number 690 Prerequisites: Advancement to candidacy and passing the comprehensive

This course is a capstone course and is designed to expose the student to the various areas of information systems in the organization where concepts from other core courses can be utilized. The focus of this course is on information science research, policy formation and issues. Students will produce an analytical/scientific paper within the chosen area of organizational interest.

INSS 899 COMPREHENSIVE EXAMINATION 0 CREDITS

Former course number 699 Prerequisites: None

Mathematics

MATH 530 INTRODUCTION TO OPTIMIZATION THEORY 3 CREDITS

Former course number 530 Prerequisites: MATH 500 or MATH 494 or instructor's permission

In this course, mathematical foundations of the optimization theory will be studied. Emphasis will be put on convex analysis, convex programming, and duality theory. Although some algorithms will be reviewed, it is mainly the theory of optimization that will be discussed.

MATH 600 REAL ANALYSIS 3 CREDITS

Former course number 500 Prerequisites: Graduate status

This course is a primer in modern mathematical analysis for graduate students in Applied Mathematics. The contents include basic concepts in topology of metric spaces, continuity, differentiation, Riemann-Stieltjes integral, sequences and series of functions, uniform convergence, equicontinuity and power series.

MATH 625 ORDINARY DIFFERENTIAL EQUATIONS 3 CREDITS

Former course number 525 Prerequisites: MATH 300 and MATH 500

The theory of differential equations is one of the basic tools of mathematical science. The purpose of this course is to study the fundamental concepts of the theory of differential equations, such as: existence, uniqueness, and continuous dependence of solutions on data; linear equations; stability theory and its applications; and periodic and oscillatory solutions. This theory makes it possible to study all evolutionary processes that possess the properties of determinacy, finite-dimensionality, and differentiability. Upon successful completion of this course, the student will have the theoretical understanding and practical knowledge of ordinary differential equations.

MATH 640 OPERATIONS RESEARCH I 3 CREDITS

Former course number 540 Prerequisites: MATH 228 or equivalent

This course covers aspects of mathematical programming and its applications. Topics included are linear programming, the simplex method, duality, the transportation problem and other applications, network analysis, and integer programming.

MATH 644 APPLIED STATISTICS 3 CREDITS

Former course number 544 *Prerequisites:* MATH 342 and MATH 344

The purpose of this course is to give students the background necessary to analyze data in a statistically sound manner. Topics include design of experiments, analysis of variance, time series, non-parametric statistics, linear and multiple regression, and statistical modeling.

MATH 650 APPLIED COMPLEX ANALYSIS 3 CREDITS

Former course number 550 *Prerequisites:* MATH 232 or equivalent

The course covers the following topics: analytic functions of a complex variable, harmonic functions and applications to physical problems, contour integration, Taylor and Laurent expansions, Cauchy integral and residue theorems, conformal mappings.

MATH 660 MATHEMATICAL MODELING 3 CREDITS

Former course number 560 *Prerequisites:* Graduate Status

A study of model building processes and the assumptions underlying mathematical models. A sampling of topics includes: mathematical models of phenomena in the physical sciences, biology, population dynamics ecology, management science, and the life sciences.

MATH 670 CODING THEORY AND CRYPTOGRAPHY 3 CREDITS

Former course number 570 *Prerequisites:* MATH 320 and COSC 504 or instructor's permission

A study of the mathematical problem of representing information with the objective of optimizing the economy and security of storage and transmission. A sampling of topics includes: measures of information, Shannon theory, linear codes, cyclic codes, error-correcting codes, techniques of data compression, cryptosystems, public key cryptography.

MATH 680 APPLIED QUEUING THEORY 3 CREDITS

Former course number 580 *Prerequisites:* MATH 342 and MATH 232 or instructor's permission

The development of queuing theory and the application of that theory to discrete simulations in general, and to computer systems, in particular. Topics include random processes, characterization of different queuing systems, the classical single-server exponential queuing model, additional single and multiple-server queuing models, including birth-death processes and finite sources, and the assumptions and limitations of the various queuing models. The application of queuing theory to computer systems is emphasized.

MATH 725 APPLIED DIFFERENTIAL EQUATIONS 3 CREDITS

Former course number 625 *Prerequisites:* MATH 525

This course examines advanced topics in ordinary differential equations, including delay differential equations, existence and uniqueness of solutions of second and third order boundary value problems, periodic boundary value problems.

MATH 730 INTRODUCTIONS TO PARTIAL DIFFERENTIAL EQUATIONS 3 CREDITS

Former course number 630 *Prerequisites:* MATH 525

A study of first order partial differential equations (PDE), conservation law, shock application, linear PDEs, the Cauchy problem, canonical form and classification of second order PDEs. The course also includes selected topics from the following: Laplace's equations, harmonic functions, boundary value problems, the wave equation, the initial value problem, the forward light cone, Huyghens' principle, conservation of energy, initial and boundary conditions, the heat equation, heat conduction, the initial-boundary value problem, finite differences, and finite elements.

MATH 740 OPERATIONS RESEARCH II 3 CREDITS

Former course number 640 *Prerequisites:* MATH 540

This course introduces stochastic models of operations research. Topics include Markov chains, queuing theory, forecasting, Markovian decision processes, decision analysis, and simulation.

MATH 790- SELECTED TOPICS 3 CREDITS
Former course number 690- *Prerequisites:* None

MATH 796 RESEARCH PROJECT 3 CREDITS
Former course number 696 *Prerequisites:* None

Management

MGMT 501 MANAGING PUBLIC AND PRIVATE ORGANIZATIONS 3 CREDITS
Former course number 501 *Prerequisites:* None

The focus of the course is on management responsibilities, functions and requirements common to all complex organizations. In addition, students will study the legal, political and economic environments that contribute to similarities and differences between public and private sector endeavors, the problems with which they are concerned, and the values that influence their decision-making.

MGMT 503 PLANNING, BUDGETING AND EVALUATION 3 CREDITS
Former course number 503 *Prerequisites:* None

This course deals with systematic, policy/project formulation and evaluation, which takes place in formal organizations. It presents the processes and techniques for strategic planning, resource allocation, and an introduction to capital facilities planning.

MGMT 511 ORGANIZATIONAL BEHAVIOR 3 CREDITS
Former course number 511 *Prerequisites:* None

This course presents basic concepts of formal organizations. Students will become acquainted with the major conceptual models which purport to explain organizational behavior, will acquire an understanding of the methods used to study organizations, and will analyze some of the research which has been produced. While the emphasis is placed on critical analysis of literature, which deals with "what is," some attention is given to views about "what should be" in order for people to derive maximum satisfaction and other benefits from organizational activity.

MGMT 541 ENTREPRENEURSHIP 3 CREDITS
Former course number 541 *Prerequisites:* None

Explores the role of entrepreneurs in a free enterprise system and assesses their contributions to economic progress and national prosperity. Emphasis is placed on types of entrepreneurs, reasons for individuals becoming entrepreneurs, conditions that encourage opportunities for entrepreneurs, and the personality traits that typically characterize entrepreneurs. Moreover, the course examines the process of starting a new venture and explains how organizations promote entrepreneurship.

MGMT 544 ORGANIZATIONAL BEHAVIOR AND THEORY 3 CREDITS
Former course number 544 *Prerequisites:* None

This course presents basic concepts of formal organizations. Students will become acquainted with the major conceptual models which purport to explain organizational behavior, will acquire an understanding of the methods used to study organizations, and will analyze some of the research which has been produced. While the emphasis is placed on critical analysis of the literature that deals with "what is," some attention is given to views about "what should be" in order for people to derive maximum satisfaction and other benefits from organizational activity.

MGMT 550 LEGAL ENVIRONMENT OF BUSINESS 3 CREDITS
Former course number 550 *Prerequisites:* None

This course is designed to provide a general examination of the legal implications of the economic exchange process. A major focus will be directed to the uniform commercial code and its various applications as well as statutory and administrative regulatory requirements operative in the business environment.

MGMT 571 HUMAN RESOURCE MANAGEMENT 3 CREDITS

Former course number 571 Prerequisites: None

This course provides an analysis of problems, issues, and opportunities in managing the procurement, development, utilization, and maintenance of an effective, productive, and a satisfied work force.

MGMT 572 CONFLICT MANAGEMENT 3 CREDITS

Former course number 572 Prerequisites: None

This course is designed to acquaint the student with the nature of and the problems associated with human conflicts in the context of domestic and international organizations. It explains conflict situations, explores the competitive and cooperative conflict styles, and identifies and describes conflict resolution techniques. This course also discusses the elements of effective negotiations and explains the advantages of added value negotiating.

MGMT 584 MANAGEMENT STATISTICS 3 CREDITS

Former course number 584 Prerequisites: None

MGMT 585 QUANTITATIVE METHODS FOR DECISION-MAKING 3 CREDITS

Former course number 585 Prerequisites: None

This course will acquaint students in advanced undergraduate and graduate classes and the practitioner with the quantitative techniques commonly used in the decision-making processes. Topics discussed will include concepts of decision-making.

MGMT 640 STRATEGIC MANAGEMENT 3 CREDITS

Former course number 640 Prerequisites: None

The focus of the course is on strategic management process (model): strategy formulation, strategy implementation, and strategy evaluation. Key strategies such as differentiation, cost leadership, integration, and diversification are also emphasized. Strategic management theories, concepts, and techniques are augmented with real-life cases, and managerial practices.

MGMT 649 SEMINAR IN MANAGEMENT 3 CREDITS

Former course number 649 Prerequisites: None

This course will focus on the analysis of current issues facing top management in mid and large firms. Emphasis is placed on such issues as the globalization of goods, services, capital, technology, domestic and global competition, market opportunities and threats, business strategies, and innovation. Recent developments and trends concerning reengineering as well as organizational and managerial functions also are reviewed.

MGMT 650 INTERNATIONAL MANAGEMENT 3 CREDITS

Former course number 650 Prerequisites: None

This course will focus on managerial process of leading, planning, organizing, staffing, coordinating, and controlling in a global context. Topics emphasized in this course include the role of the international manager, cross-national ethics, the global environment, international organizational structure, and international strategy. In addition, subjects such as cross-cultural business practices, cross-cultural communication, and cross-cultural leadership are emphasized.

MGMT 652 INTERNATIONAL BUSINESS 3 CREDITS

Former course number 652 Prerequisites: None

The course introduces international business as an integrative field that cuts across multinational operations based on the movement of goods, human resources, technology, finance, and markets. Topics include foreign investments, the monetary system, financial forces, socio-cultural forces, political and legal forces, strategic planning and control systems, as well as trends and directions affecting competition.

MGMT 677 LABOR MANAGEMENT RELATIONS 3 CREDITS
Former course number 577 Prerequisites: None

MGMT 683 PRODUCTION AND OPERATION MANAGEMENT 3 CREDITS
Former course number 683 Prerequisites: None

Examines the processes and techniques of decision-making used in the context of production and operations, including planning, analysis, and control. Emphasis is placed on resource allocation, scheduling, and utilization of the human capital. In addition, quality control of processes, product, and services are emphasized. Linear programming, critical path analysis as well as time-series analysis are some of the key techniques utilized in the course.

MGMT 741 ORGANIZATIONAL DEVELOPMENT 3 CREDITS
Former course number 641 Prerequisites: MGMT 511 and MGMT 772

This course is designed to provide an understanding of the underlying theory of organization change and intervention; to explore how various change strategies can be applied to problems involving people in intact systems; and to analyze successful approaches and techniques in organization development, to include materials, techniques, designs, current issues and practices in organization development. Other topics covered in the course will understand the organization as a system, organization assessment, team building and inter-group work as OD intervention, entry strategies, internal/external change agent, and third-party consultation.

MGMT 772 HUMAN RESOURCES MANAGEMENT SEMINAR 3 CREDITS
Former course number 672 Prerequisites: All background courses.

Problems in industrial relations and manpower involving the public interest, the work force and management; labor relations, compensation, and wage administration; job analysis development and evaluation; work force development and appraisal.

Marketing

MKT 533 PROMOTION MANAGEMENT 3 CREDITS
Former course number 533 Prerequisites: None

Examines theories and applications relating to marketing communications, with a focus on planning, managing, and implementing the promotion mix, advertising, publicity, personal selling, sales promotion, and public relations. The approach is to view promotion as a key marketing tool coordinated with other elements of the marketing mix. Discussion topics include integrated marketing communications, media selection, developing an optimal promotional mix, budgeting for promotional strategy, international promotion policies, and measuring the effectiveness of promotion. Students will learn the skills of developing and implementing promotion campaign.

MKT 535 PROCUREMENT MANAGEMENT 3 CREDITS
Former course number 535 Prerequisites: None

The course examines purchasing and materials management principles and practices, organization and functions in materials management; determination or requirements, source selection, buying practices, policies, and ethics applicable to the public and private administration.

MKT 536 CONSUMER BEHAVIOR 3 CREDITS
Former course number 536 Prerequisites: None

Examines the patterns and factors influencing consumer and organizational buying behavior. The course material also includes concepts and findings from behavioral sciences. Analysis includes an integrated model of consumer behavior and the elements that influence the decision-making process. Consumer behavior in global markets is also emphasized.

MKT 538 MARKETING MANAGEMENT 3 CREDITS

Former course number 538 *Prerequisites:* None

Explores the process of developing and implementing marketing strategies, the role of marketing in a business organization and the importance of building customer satisfaction in the marketing process, how to scan various elements of the marketing environment to detect opportunities and threats in the market. The planning and managing of marketing programs using effective product, promotion, price and promotion strategies is examined. Utilizes case analysis to apply real-world marketing theories and practices. The course also emphasizes the analytical skills necessary for decision-making in marketing.

MKT 630 GLOBAL MARKETING MANAGEMENT 3 CREDITS

Former course number 630 *Prerequisites:* None

Examines the theories, practices, and contemporary issues related to global marketing management. Provides an in-depth study of the various elements of the international marketing environment, including socio-cultural, political, legal, competitive, technological, and economics. The course also discusses strategic decisions related to international product, pricing, promotion, and distribution policies. Other issues to be discussed include competitive strategies, foreign market entry strategies, ethics, free trade zones, global marketing organization, and multinational economic integration. Applications of global marketing strategies will be examined through case analysis and class projects.

MKT 631 LOGISTICS AND SUPPLY CHAIN MANAGEMENT 3 CREDITS

Former course number 631 *Prerequisites:* None

Promotes analyses of the factors involved in designing and managing channels of distribution. Studies the role of various channel members and their behavior, conflicts, cooperation, and motivation. The course also deals with the behavioral aspects and power struggle in business relations among manufacturers, wholesalers, and retailers. The course discusses marketing logistics, including the management of the physical distribution of goods moving through the marketing system. The impact of distribution policies on costs and customer service are to be analyzed, as well as the relationships between distribution and other elements of the marketing mix. Models and quantitative methods are utilized in the analysis.

MKT 637 MARKETING RESEARCH 3 CREDITS

Former course number 637 *Prerequisites:* None

Provides an in-depth analysis of the application of scientific investigation used for decision-making in solving marketing problems, problem/opportunity formulation, determination of research objectives, creation of a research design, selection of data collection method and sampling procedure, data organization and analysis, interpretation of research results, preparation of the research report, and follow-up activities. The course also will focus on strategic implications of marketing research and the applications of marketing research methods in the real world through case analysis.

Nursing

NURS 502 CONCEPTUAL AND THEORETICAL FOUNDATIONS FOR ADVANCED PRACTICE NURSING 4 CREDITS

Former course number 502 *Prerequisites:* None

This course introduces graduate nursing students to foundational theories and concepts for application to the Professional Role of an Advanced Practiced Nurse. The process of theory development and critique of selected paradigms, models, and theories is examined. An overview of the health care delivery systems, health care financing, health care policy and other selected concepts is provided.

NURS 509 RESEARCH IN NURSING I 3 CREDITS

Former course number 509 *Prerequisites:* None

This course is designed to enable the student to gain advanced knowledge and experience with the research process, including the research problem, purpose, research questions, conceptual framework, literature review, ethical considerations, and components of methodology. Students will initiate development of a research proposal which is completed in NURS 605 Research in Nursing II. Critical analysis of research studies is also emphasized. (3 clock hours)

NURS 604 EPIDEMIOLOGY FOR COMMUNITY/PUBLIC HEALTH APNS 3 CREDITS

Former course number 505 *Prerequisites:* None

The focus of this course is on the distribution of various states of health in the population and the influence of environmental conditions, lifestyles, or other determinants on the presence or absence of disease. Traditional epidemiological approaches will be used to examine the determinants of health and diseases. Data used for epidemiological studies in the community, and the screening of diseases in the community will be described, interpreted, and applied. (3 clock hours).

NURS 605 RESEARCH IN NURSING II 3 CREDITS

Former course number 605 *Prerequisites:* NURS 509 Research in Nursing I

This course is designed to emphasize methodological and statistical dimensions of the research process. Concepts of statistical analysis, descriptive, correlation and other statistics, data entry, data analysis and interpretation of research outcomes is emphasized. Outcomes research, intervention research, critical analysis of research, and utilization of research for evidenced-based practice is also included. (3 clock hours)

NURS 607 ADVANCED HEALTH ASSESSMENT 4 CREDITS

Former course number 507 *Prerequisites:* NURS 610 Advanced Pathophysiology

This course builds on the undergraduate health assessment course by enhancing the student's ability to recognize, interpret, and act on abnormal physical assessment findings in adults and children across the wellness-illness continuum. Emphasis is on the synthesis and application of selected theories, principles, and techniques from nursing and the physical and behavioral sciences essential in obtaining the database and in making a differential and nursing diagnosis of patient complaints commonly encountered in primary care settings. (Two hours of lecture and two hours of supervised practice per week)

NURS 608 PHARMACOTHERAPEUTICS 3 CREDITS

Former course number 508 *Prerequisites:* NURS 610 Advanced Pathophysiology or may be taken

This lecture course is designed to provide the family nurse practitioner student with knowledge of pharmacotherapeutics. Common categories of drugs most frequently prescribed in primary care to treat minor acute and stable chronic conditions are discussed. These include antibiotics, analgesics, anti-inflammatory agents, decongestants, antihistamines, anti-tussives, and antihypertensives. Drugs prescribed for respiratory, genitourinary, integumentary, endocrine, musculoskeletal, gastrointestinal, sensory, cardiovascular, and mental health problems are also a major focus of this course. (3 clock hours)

NURS 610 ADVANCED PATHOPHYSIOLOGY 3 CREDITS

Former course number 510 *Prerequisites:* None

This course focuses on the pathophysiology of body systems and clinical manifestations of pathological alterations in structures and functions of body systems. Underlying principles common to all disease processes are addressed. This course provides the foundation for primary care family nurse practitioner practice that includes diagnosis, treatment of minor acute and stable chronic conditions, and the promotion of health of clients. (3 clock hours)

NURS 712 PRIMARY CARE I: ADULT CLIENTS 2 CREDITS

Former course number 512 *Prerequisites:* NURS 502, 509, 604, 607, 608, 610

This lecture course prepares the student to develop competence in the primary care of the family and in the primary care of minor short term as well as stable chronic conditions. Family theories and concepts utilized for health maintenance, restoration, and promotion are explored, with an emphasis on the underserved family. Theory and research from nursing and other scientific disciplines is integrated into a framework that allows identification and management of common alterations of health in the adult person. The student is introduced to the family nurse practitioner role and the student's preliminary philosophy of the primary care family nurse practitioner role is examined. (2 clock hours)

NURS 713 PRIMARY CARE I: ADULT CLIENTS - PRACTICUM 2 CREDITS

Former course number 513 *Prerequisites:* NURS 502, 509, 604, 607, 608, 610

This practicum provides the opportunity for students to develop their assessment, diagnostic, planning, and treatment skills in the primary care of the adult client. Students work with experienced nurse practitioner and physician preceptors. They provide direct client care for adult clients with minor acute and stable chronic conditions (Nine hours of practicum and one hour of clinical conference). (Concurrent with NURS 512 Primary Care I: Adult Clients).

NURS 714 PRIMARY CARE II: WOMEN'S HEALTH, OBSTETRIC AND PEDIATRIC CLIENTS 4 CREDITS

Former course number 514 *Prerequisites:* NURS 712, 713

This lecture course prepares the family nurse practitioner student to develop competence in the primary care of the pregnant and non-pregnant female client, infant, child, and adolescent. Emphasis is placed on the synthesis of theories and concepts from nursing and other scientific disciplines to construct a framework that guides comprehensive health assessment, the interpretation of diagnostic findings, formulation of differential diagnosis, development of management strategies, and evaluation of health outcomes during pregnancy, well-woman, and pediatric encounters.

NURS 715 PRIMARY CARE II: WOMEN'S HEALTH, OBSTETRIC AND PEDIATRIC CLIENTS - PRACTICUM 3 CREDITS

Former course number 515 *Prerequisites:* NURS 712, 713

This practicum provides the opportunity for family nurse practitioner students to provide primary care to the pregnant and non-pregnant female client, infant, child and adolescent. Students work with experienced nurse practitioner and physician preceptors in acute care and community-based primary care settings. (Fourteen hours of practicum and one hour of conference; 15 clock hours.)

NURS 716 PRIMARY CARE III: OLDER ADULT CLIENTS 2 CREDITS

Former course number 516 *Prerequisites:* NURS 712, 713

This lecture course prepares the family nurse practitioner student to develop competence in the primary care of older adults with minor, as well as stable chronic conditions. Selected theories and research are applied in obtaining data, formulating differential diagnoses, and planning interventions for aging persons and their families. This course emphasizes risk reduction, health maintenance, rehabilitation, and adaptation of the chronically ill aging adult and family. (2 clock hours)

NURS 717 PRIMARY CARE III: OLDER ADULT CLIENTS - PRACTICUM 2 CREDITS

Former course number 517 *Prerequisites:* NURS 712, 713

This practicum provides the opportunity for family nurse practitioner students to develop competence in providing primary care to older adults. Health promotion and disease prevention of the older adult are emphasized. Students work with experienced nurse practitioners and physician preceptors. (Nine hours of practicum and one hour of conference; 10 clock hours)

NURS 718 PRIMARY CARE IV: FAMILY NURSE PRACTITIONER ROLE SEMINAR 2 CREDITS

Former course number 518 *Prerequisites:* NURS 712, 713, 714, 715, 716, 717

This seminar course emphasizes the integration and application of the theoretical and research base of family nurse practitioner practice. There is an emphasis on enhancement of socialization and role development while providing and evaluating direct primary care services to individuals and families. The independent, collaborative, and leadership roles of the nurse practitioner are addressed. Students have an opportunity to apply and evaluate their critical thinking diagnostic reasoning skills as well as their personal philosophy of the family nurse practice role. (2 clock hours)

NURS 719 PRIMARY CARE IV: FAMILY NURSE PRACTITIONER ROLE SEMINAR - PRACTICUM 3 CREDITS

Former course number 519 *Prerequisites:* NURS 712, 713, 714, 715, 716, 717

This practicum emphasizes the application of theories and concepts when providing primary care with clients across the lifespan. Students are socialized into the nurse practitioner role and are encouraged to refine their personal philosophy of clinical practice for individuals across the lifespan. (Fourteen hours of practicum and one hour of conference; 15 clock hours.)

NURS 720 ADVANCED PRACTICE IN COMMUNITY/PUBLIC HEALTH NURSING I 3 CREDITS

Former course number 520 Prerequisites: NURS 604, 502, 509

This course examines the role of the advanced practice nurse in community/public health nursing. Selected conceptual frameworks and evidence based approaches utilized by community/public health nurse's to determine needs of target populations and the broader community will be examined. Students will apply theories and models of needs assessment, community diagnosis and program planning with an emphasis on vulnerable and underserved populations. Emphasis will be placed on interventions for actual and emerging problems within aggregates, populations, and systems. (3 clock hours)

NURS 721 ADVANCED PRACTICE IN COMMUNITY/PUBLIC HEALTH NURSING I PRACTICUM 3 CREDITS

Former course number 521 Prerequisites: NURS 604, 502, 509

This course will provide community/public health clinical nurse specialist students with opportunities to develop and plan for the needs of a target population, a set of populations, or a broad community. A comprehensive community assessment will be conducted. Students will apply knowledge and skills from nursing and public health sciences to expand their understanding of advanced practice nursing in community/public health. The community/public health clinical nurse specialist student will assess the impact of selected policies and procedures on meeting the health needs of a target population. (Fourteen hours of practicum and one hour of conference; 15 clock hours.)

NURS 722 ADVANCED PRACTICE IN COMMUNITY/PUBLIC HEALTH NURSING II 3 CREDITS

Former course number 522 Prerequisites: NURS 604, 502, 509

This course focuses on factors that impact the health of those segments of the population that are disproportionately affected by illness and disease. Course content focuses on the theoretical basis of health promotion emphasizing educational and organizational strategies that promote and preserve effective health behaviors. Theories of health behavior and health education will be explored at the aggregate community and population levels. Selected conceptual frameworks are utilized by the community practice public health clinical nurse specialist to determine health promotion needs of vulnerable and underserved populations. (3 clock hours)

NURS 723 ADVANCED PRACTICE IN COMMUNITY/PUBLIC HEALTH NURSING II PRACTICUM 3 CREDITS

Former course number 523 Prerequisites: NURS 720, 721

This community health clinical practicum will focus on plan modification, plan implementation, and evaluation of a health promotion or health preservation program based upon the prior needs assessment, community diagnosis, and plan developed in NURS 722 Advanced Practice Community/Public Health Nursing II. The practicum will be conducted in a variety of sites such as health departments, school districts, nursing centers in apartment complexes, housing developments, parishes, faith-based communities, correctional health, and community shelters for the homeless. (Fourteen hours of practicum and one hour of conference; 15 clock hours)

NURS 724 ADVANCED PRACTICE IN COMMUNITY/PUBLIC HEALTH NURSING III 3 CREDITS

Former course number 524 Prerequisites: NURS 722, 723

This course focuses on the role of the advanced practice community/ public health clinical nurse specialist in implementing and evaluating health promotion and public health programs in the community. The theoretical basis of program planning and implementation at the community and aggregate level are discussed. Program implementation models and strategies including materials and methods will be included. Examination of several program evaluation models and application of evaluation options for measuring program effect will be explored. (3 clock hour)

NURS 725 ADVANCED PRACTICE IN COMMUNITY/PUBLIC HEALTH NURSING III PRACTICUM 3 CREDITS

Former course number 525 Prerequisites: NURS 722, 723

This community health clinical practicum will focus on plan modification, plan implementation, and evaluation of a health promotion or health preservation program based upon the prior needs assessment, community diagnosis, and plan developed in NURS 722: Advanced Practice Community/Public Health Nursing II. The practicum will be conducted in a variety of sites such as health departments, school districts, nursing centers in apartment complexes, housing developments, parishes, faith-based communities, correctional health, and community shelters for the homeless. (Fourteen hours of practicum and one hour of conference; 15 clock hours)

NURS 730 SEMINAR IN CRITICAL ISSUES FOR ADVANCED PRACTICE NURSING 2 CREDITS

Former course number 630 Prerequisites: This course is taken in the last semester of the program.

This course focuses on current issues influencing nursing practice and the status of the nursing profession. Content focuses on evolution of advanced practice roles, scientific basis for advanced practice, managed care and issues related to health care policy, legislation, finance and economic concerns. This course is taken during the final semester of the curriculum. (2 clock hours)

NURS 800 THESIS/SCHOLARLY PROJECT ADVISEMENT 3-6 CREDITS

Former course number 610 Prerequisites: NURS 509, 605

These courses are designed to provide additional time to meet the requirements for the master's thesis or scholarly project, if needed. The thesis/project advisor meets regularly with the learner to facilitate completion of the thesis or project.

NURS 801 THESIS/SCHOLARLY PROJECT ADVISEMENT 3-6 CREDITS

Former course number 612 Prerequisites: NURS 509, 605

These courses are designed to provide additional time to meet the requirements for the master's thesis or scholarly project, if needed. The thesis/project advisor meets regularly with the learner to facilitate completion of the thesis or project

Organizational Communications

ORGC 502 COMMUNICATION THEORY AND RESEARCH 3 CREDITS

Former course number 502 Prerequisites: None

Provides an understanding of organizational communication theories. Includes description, application, and critique of theories. In addition, this course introduces the basic framework for communication research.

ORGC 504 ORGANIZATIONAL COMMUNICATIONS 3 CREDITS

Former course number 504 Prerequisites: None

Provides introduction to human communication in organizations. Special attention is given to concepts of motivation, leadership, job satisfaction, goal-setting, task design, operant conditioning, cross-cultural and small group communication.

ORGC 522 CORPORATE COMMUNICATIONS 3 CREDITS

Former course number 522 Prerequisites: None

Presents an overview of the fundamentals of telecommunications technology and applications in organizations, including human factors in organizations, acquisition and procurement, market competition, logistical planning, research and development, and relations with carriers and manufacturers.

ORGC 606 SEMINAR IN DOMESTIC TELECOMMUNICATIONS POLICY 3 CREDITS

Former course number 506 Prerequisites: None

Development of telecommunications technology industry and policy in the United States, and the interaction of private and public policy in research and development, market entry, competition, ownership and acquisition, deregulation, business decisions, and social impact.

ORGC 608 TELECOMMUNICATIONS AND NATIONAL DEVELOPMENT 3 CREDITS

Former course number 508 Prerequisites: None

Explores the role of telecommunications in facilitating national development strategies and policies in developing countries. Major sectoral development targets will include: agriculture, health, population, democracy, human rights, education, and the environment.

ORGC 627 MEDIATION AND CONFLICT RESOLUTION 3 CREDITS

Former course number 527 Prerequisites: None

Examines the process of mediation, negotiation, and conflict resolution, with particular reference to organizations. Reviews communicative acts that shape realities of mediators and disputants and influence outcomes. In addition, this course suggests ways to resolve conflicts effectively.

- ORGC 630 CORPORATE ADVERTISING** 3 CREDITS
Former course number 530 *Prerequisites:* None
 Theory and practice in the management of advertising in the organization. In-depth study of advertising management functions or analysis of objectives, planning, staffing, budgeting, campaign media and publications in organizations.
- ORGC 631 ORGANIZATIONS AND INTERCULTURAL COMMUNICATIONS** 3 CREDITS
Former course number 531 *Prerequisites:* None
 This course gives the student an advanced understanding of intercultural communications - verbal and nonverbal - in organizational spheres. It demonstrates the existence of competing values, beliefs, norms, and practices in organizations, particularly in a world where organizations are increasingly inhabited by diverse voices. The course also investigates the differences in cultural intersections that exist between localized and globalized organizations. The essence of this course is to provide the student with the opportunity to understand and adapt successfully to these cultural interactions and to ultimately prepare the student for the organizational reality of interacting with diverse groups.
- ORGC 634 PUBLIC RELATIONS COMMUNICATION** 3 CREDITS
Former course number 534 *Prerequisites:* None
 Analysis of public relations function in organizations. In-depth study of specialized areas to include public relations analysis, objectives, planning, staffing, budgeting, campaign media and publications in organizations.
- ORGC 636 INTERNATIONAL TELECOMMUNICATIONS AND INFORMATION** 3 CREDITS
Former course number 536 *Prerequisites:* None
 Examination of theories of telecommunications. Investigation of various contemporary social, economic, political, cultural and educational problems in international telecommunications. Explores telecommunications across national borders and the role of telecommunications in developing countries.
- ORGC 735 ORGANIZATIONAL PUBLICATIONS** 3 CREDITS
Former course number 535 *Prerequisites:* None
 This course focuses on internal publications as well as other organizational writings, such as memos, reports, proposals, and letters. A major aspect of this course is a review of communications tenets guiding organizational publication design and writings. This course involves the use of desktop publishing software.
- ORGC 738 APPLIED RESEARCH DESIGN** 3 CREDITS
Former course number 538 *Prerequisites:* ORGC 502 & ORGC 504
 Course in research methodology which stresses the need for theory development or framework as basis for organizational communications research. Current literature will be reviewed to include methodology employed and issues of theory building. Students will be guided in developing their own research design and empirical study.
- ORGC 810 PRACTICUM IN TELECOMMUNICATIONS POLICY** 3 CREDITS
Former course number 510 *Prerequisites:* Advancement to Candidacy
 Practical study within a telecommunications environment. This is designed to provide the student with in-depth knowledge of daily activities associated with telecommunications management, policy-making, and implementation.
- ORGC 815 THESIS** 3 CREDITS
Former course number 540 *Prerequisites:* ORGC 502, ORGC 504, & ORGC 538
 Advisory: Comprehensive examination should have been passed by the student. An empirical research study. The research topic should be one that will further the student's educational development by developing research and other skills that will help the student keep abreast of the field and enable the student to pursue independent work.
- ORGC 816 THESIS ADVISEMENT** 1 CREDITS
Former course number 601 *Prerequisites:* None
 Thesis writing advisement is provided to students who fail to complete ORGC 540. This 1 credit hour course features research related advisement and an oral examination at completion. ***Taken only when student fails to complete ORGC 540.

Psychology

PSYC 501 PRINCIPLES AND PHILOSOPHY OF ADLERIAN COUNSELING 3 CREDITS

Former course number 501 Prerequisites: None

Historical, philosophical, psychological and sociological basis of counseling in different settings (school, agency and community) and with different populations will be explored. Professional certification and ethical standards will be reviewed. Special emphasis will be given to the socioteleoanalytic (Adlerian) approach to counseling. Eight to ten additional counseling theories and models will be explored, including Gestalt, Client/centered, Behaviorist, Rational Emotive Theory, TA, and Psychoanalytic processes.

PSYC 502 PRINCIPLES AND PHILOSOPHY OF COUNSELING 3 CREDITS

Former course number 502 Prerequisites: None

Historical, philosophical, psychological and sociological basis of counseling in different settings (school, agency and community) and with different populations will be explored. Intervention strategies, theoretical models, working contexts, relationships to other professions, ethics, obstacles to service delivery and personal qualities of counselors are reviewed. Course activity includes the use of printed, recorded and filmed techniques, and the observation of live interviews. (This course is required for all M.Ed. degrees, whether Eclectic or Adlerian.)

PSYC 601 Biological Bases of Human Behavior 3 CREDITS

Former course number 506 Prerequisites: None

This course involves an examination of research on the physiological basis of human behavior, including considerations of sensory phenomena, motor coordination, emotion, drives, and the neurological basis of learning.

PSYC 603 MENTAL HYGIENE IN YOUNG CHILDREN AND YOUTH 3 CREDITS

Former course number 503 Prerequisites: None

This course is planned as an integrated study of the interaction of human behavior, learning, and the environment. Emphasis is placed on the symptoms, causes and mediation of deviant behavior among children, adolescents, and young persons. Trends and practices in community mental health are studied, and visits to human rehabilitation institutions for practical observation of clients, the organization, and methods of therapy used are required. Instruction in the writing of a case study report is also given.

PSYC 604 PSYCHOLOGICAL FOUNDATIONS 3 CREDITS

Former course number 504 Prerequisites: None

The course deals with psychological principles for guiding learning of children, adolescents and young persons. Emphasis is placed on all aspects of learning -- cognitive, social and emotional -- and on factors in the environment affecting such learning. An overview of the major theories of learning is presented.

PSYC 606 BIOLOGICAL BASES OF HUMAN BEHAVIOR 3 CREDITS

Former course number 506 Prerequisites: None

This course will emphasize ways in which hereditary and physiological processes and conditions influence human behavior. Implications for understanding and working with people will be considered.

PSYC 607 SOCIAL BASES OF HUMAN DEVELOPMENT 3 CREDITS

Former course number 507 Prerequisites: None

This course analyzes the socially inherited and transmitted patterns of pressure, expectations, and limitations learned by an individual as he grows up. These are considered in relation to the patterns of feeling and behaving that emerge as the result of growing up in one's social group. An anecdotal record of a living person is required.

PSYC 610 BEHAVIOR MODIFICATION IN THE CLASSROOM 3 CREDITS

Former course number 510 Prerequisites: None

This is a course in the theory and application of basic behavior principles to the practical problems encountered in education. These principles are based on recent behavioral research and provide a systematic procedure to build and maintain desirable student performances and to reduce or eliminate inappropriate behavior.

PSYC 611 UNDERSTANDING THE CRITICAL ADULT LIFE STAGES 3 CREDITS

Former course number 511 Prerequisites: None

This course is planned to focus on the typical problems faced by adults at the various stages of early adulthood, middle adulthood and late adulthood. Emphasis is placed on theories, perspectives and research on problems of adult development and strategies for counseling clients at the various stages of adult development. Site visits to institutions for dealing with adult problems in order to study and observe the organization, purpose, types of clients, and procedures and techniques used are required.

PSYC 612 EDUCATIONAL PSYCHOLOGY 3 CREDITS

Former course number 512 Prerequisites: Three hours of psychology or permission of the instructor

This course is a survey of the applications of psychological principles, theories, and concepts as they relate to learning and behavior management and change in the formal learning process. Special consideration will be given to trends and issues, with emphasis on current research in educational psychology.

PSYC 710 INTELLIGENCE TESTING 3 CREDITS

Former course number 610 Prerequisites: Fifteen hours of psychology or counseling courses or permission

The course emphasizes the administration, scoring, and interpretation of infant, child, and adult intelligence tests, emphasizing the Stanford-Binet, WPPSI, WISC-R, and WAIS. Included will be a survey of the development of IQ tests, theories of intelligence and current trends and developments in intellectual assessment.

PSYC 711 PROJECTIVE TESTING 3 CREDITS

Former course number 611 Prerequisites: Fifteen hours of psychology or counseling courses, including

The course will introduce and emphasize the basic administration, scoring and interpretation of major projective child, adolescent, and adult tests: The Rorschach Inkblot Test, The Thematic Apperception Test, The Children's Apperception Test, Draw a Person-Tree-House; Three Wishes; Guess Why Game; Bender-Gestalt Test of Visual Perception (Projective, and Minnesota Multiphasic Personality Inventory). Included will be a survey of the development of projective tests, underlying theories associated with them, and current trends and developments in projective assessment.

PSYC 714 CLINICAL ASSESSMENT 3 CREDITS

Former course number 514 Prerequisites: None

This course integrates various assessment methodologies, including Life Style Assessment techniques, MMPI, MBTI, Beck Depression scales, Intelligence Testing, Projective Testing, DSM-IV Diagnoses, Priorities Interview Technique, and the TAT, for a comprehensive process of assessment. The purposes, techniques, and process of clinical assessment will be explored. Techniques for understanding of non-verbal, verbal, and interpersonal transactions, including the recapitulation of the family structure and dynamics are examined. Students are introduced to situational assessment, psychological inference and report writing.

PSYC 730 ADLERIAN THEORY & PRACTICE 3 CREDITS

Former course number 530 Prerequisites: 6 hours in the Adlerian field, including PSYC 501

This course is designed to present the basic theoretical concepts of the Individual Psychology of Alfred Adler and Rudolf Dreikurs and to cover at least three other theoretical counseling approaches common to the counseling profession. Among the other theories covered are Gestalt, Cline/centered, Behaviorist, Rational Emotive Theory, TA, and Psychoanalytic processes. However, the application of Adlerian theory to the techniques and the theories of counseling will be stressed. Particular attention is paid to solution of individual, family, and other group problems. Students may expect to do field work and projects and to participate in a variety of demonstrations in various counseling settings. Comparison of Adlerian concepts with Eclectic theoretical concepts will be illustrated.

PSYC 734 COUNSELING THEORY AND PRACTICE 3 CREDITS

Former course number 534 Prerequisites: 6 hours in the field, including PSYC 502

In this course, several of the major approaches to counseling will be examined. The theoretical bases and major concepts of these approaches, as well as the process of counseling proposed by the advocates of different schools, will be studied. The theories studied will include client-centered, Gestalt, Behaviorist, and Adlerian.

PSYC 739 DYNAMICS OF GROUP BEHAVIOR 3 CREDITS

Former course number 539 Prerequisites: None

This course is primarily concerned with the way in which small, face-to-face groups function and the factors which influence their functioning. Secondly, factors that influence organization functioning will be considered. The effect of the individual's behavior on other group members and the group will be examined. Various experiential activities, such as role-playing, subgroup exercises and simulation will be used to demonstrate and analyze facets of group dynamics. The course is designed to assist teachers, administrators, managers, and curriculum workers.

PSYC 744 PSYCHODYNAMICS OF PSYCHOPATHOLOGY I 3 CREDITS

Former course number 544 Prerequisites: None

This course will present a foundation for the understanding of psychopathology. The basic constructs of normal and abnormal behavior will be studied dynamically.

PSYC 775 PSYCHOPHARMACOLOGY 3 CREDITS

Former course number 575 Prerequisites: Admission to Psychotherapy Certificate program or 21 hours of

This course is designed for non-medical psychotherapists and counselors. Students will be presented an overview of the current therapeutic use of psychotropic drugs. A brief history of psychopharmacology, an overview of neuroanatomy, a survey on current research on neurotransmitters, and a review of pharmacological terminology will be given. Specific drugs to be considered include the narcotic analgesics, the sedative hypnotics, stimulants, neuroleptic, anxiolytics, anti-depressants, and lithium.

PSYC 780 LEGAL/ETHICAL ISSUES IN THERAPY 3 CREDITS

Former course number 580 Prerequisites: None

This course is designed to provide the helping professional with the knowledge of the major ethical and legal issues in counseling and psychotherapy today. Learners will be exposed to such topics as ethical theory, laws and court decisions, incompetency, malpractice, licensure and certification, privileged communications, DSM III and Family Therapy, and legal liabilities affecting psychologists, and legal obligations of psychotherapists. Ethical standards for individual practitioners will be examined in detail. Participants will be involved in some case research, group discussions, group reports, and individual presentations of ethical and legal issues in the field of counseling and psychotherapy.

PSYC 793 ART THERAPY FOR YOUNG CHILDREN 3 CREDITS

Former course number 593 Prerequisites: None

This course is designed to teach, through student participation, methods for using art as a therapeutic aid in working with behavior problem children and adolescents. This class will focus on the graphic representations and expression depicted through drawings that illuminates certain interpretive data which will allow the counselor to help children understand themselves and their environments better.

PSYC 801 RESEARCH ADVISEMENT 3 CREDITS

Former course number 601 Prerequisites: Permission of instructor.

Research for those students needing advisement to complete seminar papers and remove "incompletes" in their Seminar course.

PSYC 833 3 CREDITS

Former course number 633 Prerequisites: None

PSYC 836 PRACTICUM COUNSELING PSYCHOLOGY I 3 CREDITS

Former course number 536 Prerequisites: 24 hours in the program, including PSYC 501 or 502, 503, 529,

This course places emphasis on practical counseling with supervised experience in community and/or agency programs. The role of the administrator of community counseling services is considered. Problems and issues in counseling are examined. This is the first semester of the two-semester practicum experience and emphasizes basic skills. An intensive field experience is recommended. This course may be taken prior to passing the Comprehensive Examination.

PSYC 837 LIFE STYLE ASSESSMENT 3 CREDITS

Former course number 537 *Prerequisites:* Two of the following courses: PSYC 501, COUN 509, PSYC 530

This course includes a comprehensive review of theory and technique in life style assessment – personality theory and analysis in Adlerian Psychology. The use of family constellation information, birth order, family atmosphere, and use of early recollections in life style assessment will be presented, demonstrated, and practiced. Students will discover how information obtained from the life style assessment is used in formulating counseling and psychotherapeutic strategies. Each student is required to complete and submit four life style assessments for evaluation.

PSYC 838 PRACTICUM IN FAMILY COUNSELING 3 CREDITS

Former course number 538 *Prerequisites:* Prerequisites include PSYC 501, 530, COUN 532, and PSYC 536

This course will emphasize practical experience in counseling families based on principles of Individual Psychology. May not be substituted for Practicum I, 2001.536 in the master's degree program.

PSYC 857 PRACTICUM COUNSELING PSYCHOLOGY II 3 CREDITS

Former course number 557 *Prerequisites:* None

PSYC 858 INTERNSHIP IN COUNSELING PSYCHOLOGY 3 CREDITS

Former course number 558 *Prerequisites:* None

PSYC 861 SEMINAR IN COUNSELING PSYCHOLOGY 3 CREDITS

Former course number 561 *Prerequisites:* Successful completion of the Comprehensive Examination and

This course is designed to give the student guidance and practice in the preparation and writing of the research paper in the area of counseling psychology. The course will focus attention on a review of relevant literature on current trends, issues and problems in counseling with presentations and class discussions. This class should be taken during the last six hours of the degree program.

Public Administration

PUAD 502 QUALITATIVE RESEARCH METHODS 3 CREDITS

Former course number 502 *Prerequisites:* None

The study and application of research methodology for organizations for use as a tool in decision-making. Emphasis is on applied research theories and designs for methodological approaches that apply non-experimental and quasi-experimental research designs as part of the research strategy.

PUAD 503 MANAGEMENT SYSTEMS 3 CREDITS

Former course number 503 *Prerequisites:* None

This course examines the various types of management systems and controls that are utilized in large complex systems for the purpose of tracking organizational performance. Students will study the relationship between strategic management and performance monitoring. An overview of management information systems and their relationship to organizational politics will be covered as a necessary part of understanding how planning and management control systems operate. The emphasis in this course is on public sector organizations.

PUAD 524 PUBLIC BUDGETING 3 CREDITS

Former course number 524 *Prerequisites:* None

Concepts, principles, and practices and their specific application to the development of resources in support of programs and the allocation of these resources against the demands at national, state, and local levels. The student will evaluate performance budgeting, PPBS, and zero-based budgeting.

- PUAD 525 SPECIALIZED INDIVIDUAL STUDY (Elective Course)** 3 CREDITS
Former course number 525 Prerequisites: Approval of Advisor.
 Specialized individual study requires the student to do a major study that applies and integrates prior learning and course work. The student may design a project from an academic domain that is relevant for the Public Administration discipline as approved by the advisor/instructor.
- PUAD 601 CONCEPTS OF PUBLIC ADMINISTRATION** 3 CREDITS
Former course number 501 Prerequisites: None
 A survey of the fundamentals of public administration, management strategies and management techniques at the national, state, and local levels.
- PUAD 603 PUBLIC POLICY ANALYSIS** 3 CREDITS
Former course number 530 Prerequisites: None
 Focus is on the analysis of costs and benefits in the selection of public policy choices. Students analyze public policy alternatives, factors, and processes involved in policy development, including the rulemaking that occurs after legislative enactment of public programs.
- PUAD 605 MANAGER IN A TECHNOLOGICAL SOCIETY** 3 CREDITS
Former course number 505 Prerequisites: None
 This course examines the relationship between the manager and technology in a rapidly changing world. The focus is on the new management paradigm with respect to organizations of the future and the changing nature of work. The emphasis is on new organizational forms, networks, leadership and globalization
- PUAD 612 STRATEGIC PLANNING FOR PUBLIC AND NON PROFIT** 3 CREDITS
Former course number 612 Prerequisites: All background courses
 Students will learn the process of adapting the organization to a rapidly changing environment by applying vision-based diagnosis and strategic planning to reposition organizations in the public and non-profit environment so that they can survive and prosper. Topics covered include re-engineering through organizational transformation, situation analysis, organizational invention and innovation.
- PUAD 613 SEMINAR IN MEDIATION AND ALTERNATIVE DISPUTE** 3 CREDITS
Former course number 613 Prerequisites: MGMT 511 and MGMT 571
 Students will learn the basic fundamentals of mediation in the workplace. Simulated games and case studies are used to operationalize the theories and concepts of mediation and alternative dispute resolution. They will review laws, rules and executive orders that address issues associated with fair employment practices in the public and private sectors. Experts will be invited to participate in the Seminar as guest lecturers. A major research paper is required
- PUAD 704 EVALUATION RESEARCH** 3 CREDITS
Former course number 504 Prerequisites: PUAD 502 and PUAD 530
 This course will explore the methods and models for policy analysis and program evaluation; methods of collecting and analyzing evaluation data; processes for linking evaluation to policy formulation and program management. Emphasis is on how to conduct formative evaluations of government programs. Students are also able to make the appropriate distinctions between the administrative systems that make government programs work as well as how the impact of these programs on the quality of life in society is measured.
- PUAD 710 INTERGOVERNMENTAL RELATIONS SEMINAR** 3 CREDITS
Former course number 610 Prerequisites: All background courses.
 The seminar begins with a review of Federalism and constitutional politics. It then moves its focus to the complexities and inadequacies of the federal-state-local systems. The emphasis here is with conflicts and cooperation among the three levels of government and changing roles of government; the development of structures, processes, and management to strengthen the intergovernmental system and improve performance; and with increasing student problem-solving and managerial capabilities in these areas through the use of guest speakers, case studies and a semester project.

PUAD 799 COMPREHENSIVE EXAMINATION

0 CREDITS

*Former course number 699 Prerequisites: None**Special Education***SPED 502 MATHEMATICS, SCIENCE, AND SOCIAL STUDIES**

3 CREDITS

Former course number 502 Prerequisites: SPED 511

Students explore math, science, social studies research findings, effective teaching methods, various learning and cognitive strategies, curriculum content areas, assessment techniques and materials which can be designed or adapted for classroom use in instruction of mildly and moderately disabled elementary and middle school-aged children. Emphasis will be placed on the techniques that facilitate the development of concepts, with thinking skills and problem solving as the primary focus. Learning strategies instruction, instructional theory related to "Dimensions of Learning" model of instruction (Marzano), diagnostic-prescriptive methods, authentic assessment procedures, and direct instruction are explored as they relate to special education. Attention will be given to the implementation of teaching behaviors that foster positive attitudes toward math, science, social studies, and encourage students to actively construct their own learning. Students will be encouraged to use reflection and inquiry to refine their knowledge and skill.

SPED 507 SOCIAL, EMOTIONAL, AND AESTHETIC CURRICULUM

3 CREDITS

Former course number 507 Prerequisites: SPED 511

Students compare, adapt, and conduct formal and informal assessments in social, emotional and aesthetic curriculum for use with mildly and moderately disabled elementary and middle school children. Social, emotional, and aesthetic methods, materials, and cognitive strategies and concepts are explored, adapted, and designed for classroom use.

SPED 511 SPECIAL EDUCATION PERSPECTIVES

3 CREDITS

Former course number 511 Prerequisites: None

Students examine the historical development, the philosophies, research, legislation, and current difficulties that have emerged relative to the education of exceptional children. The characteristics of children with disabilities and the principles of effective instruction, management, and intervention are addressed as they apply to special education. Family empowerment concepts are explored relative to the diversity of our schools and communities. Professional, community, and parent organizations; local, state, and federal agencies dealing with exceptional children are also identified.

SPED 517 PHYSICAL, RECREATIONAL, AND PRE/VOCATIONAL

3 CREDITS

Former course number 517 Prerequisites: SPED 511

Students compare, adapt, and conduct formal and informal assessments in physical, recreational and pre/vocational development for use with mildly and moderately disabled elementary and middle school children. Physical, recreational, and pre/vocational methods, materials and cognitive strategies and concepts are explored, adapted, and designed for classroom use.

SPED 520 INSTRUCTIONAL METHODS AND CURRICULUM PLANNING

3 CREDITS

Former course number 520 Prerequisites: None

Students gain familiarity with developmental curricula across cognitive, academic, language, and socio-affective areas as applicable to individuals with exceptional learning needs. Various instructional and remedial methods, techniques, and curriculum materials will be presented and practiced as well as techniques and strategies for modifying instruction and accommodating individual student needs. The characteristics of "typical" children with high-incidence disabilities and the basic principles of effective instruction are discussed as they pertain to educational planning and instructional presentation.

SPED 522 BEHAVIORAL INTERVENTION AND CLASSROOM MANAGEMENT 3 CREDITS

Former course number 522 Prerequisites: None

Students gain familiarity with the effects of dysfunctional behavior on learning and the differences between behavioral and emotional disorders and other disabling or at-risk conditions. The course will present current research on behavioral interventions and management, along with appropriate ways to apply research findings in the classroom through research - supported instructional strategies and practices. Students will learn how to plan, organize, and implement individualized and group programs appropriate to the cognitive and effective needs of students who may require reinforcement systems, behavioral management plans, specific social skill instruction, or adjustments in their learning environment and curriculum.

SPED 539 PARTNERSHIPS IN SPED 3 CREDITS

Former course number 539 Prerequisites: None

Students explore materials, concepts, and methods needed to maximize the productive integration of student, family, and community resources into the planning and implementing of programs for disabled children.

SPED 540 MAINSTREAMING 3 CREDITS

Former course number 540 Prerequisites: None

This course is aimed at building concepts and attitudes necessary for successfully mainstreaming disabled children. Students review the nature of disabilities, federal and state legislation and regulations related to special education, assessment problems related to disabled students, and how to adapt regular classroom curricula to integrate disabled children.

SPED 545 COMPUTERS AND TECHNOLOGY IN SPECIAL EDUCATION 3 CREDITS

Former course number 545 Prerequisites: None

Students examine the current instructional applications available for use with computers and related technology in the elementary and middle school classroom and the benefits of computer-assisted instruction for exceptional students. The appropriate and effective integration of computers across the curriculum and the use of the classroom computer as a means of data analysis for instructional decision-making are emphasized.

Assistive/augmentative technology and the evaluation of instructional software are covered in the course as well.

SPED 615 PRACTICUM IN SPECIAL EDUCATION I 3 CREDITS

Former course number 515 Prerequisites: SPED 511, 520, 522, 545, 649

In accordance with Maryland Special Education teacher generic certification requirements for working with either elementary/middle or secondary/adult students, the Practicum Phases I and II provide supervised teaching experiences with students ages 5 through 21 who are receiving special education services. All students participating are required to complete practicum experiences, the first upon completion of the first 15 hours and the second at the end of the graduate program. Students demonstrate selected competencies under faculty supervision during fieldwork with disabled children at the elementary and middle school levels.

SPED 626 LANGUAGE AND READING DEVELOPMENT 3 CREDITS

Former course number 526 Prerequisites: SPED 511

Students compare, adapt, and conduct formal and informal assessments in oral and written language for use with mildly and moderately disabled elementary and middle school children. Methods, materials, and cognitive strategies and concepts are explored, adapted, and designed for classroom use in all language areas, with particular emphasis on reading.

SPED 629 INTERDISCIPLINARY TEAM: ASSESSMENT, COMMUNICATION, 3 CREDITS

Former course number 529 Prerequisites: SPED 511, 540

Students explore the contributions of various professional and auxiliary disciplines to individual educational programming and development of disabled children. Information from other disciplines and strategies for effective interdisciplinary communication are examined.

SPED 649 SPECIAL EDUCATION PARTNERSHIPS AND LIFESTYLES 3 CREDITS

Former course number 549 Prerequisites: None

Students explore the concepts, methods, materials, assessment, and transition strategies used in recreational and life-centered career education for culturally diverse students with disabilities. In order to maximize the productive inclusion and collaboration of student, family, professional, and community for children and youth with mild or moderate special needs, effective instruction, behavioral management, and flexible programming designs are presented.

SPED 715 PRACTICUM IN SPECIAL EDUCATION II 3 CREDITS

Former course number 516 Prerequisites: SPED 507, 502, 517, 626, 539

Students demonstrate selected competencies under faculty supervision during fieldwork with disabled children at the elementary and middle school levels.

SPED 730 SEMINAR IN SPECIAL EDUCATION 3 CREDITS

Former course number 530 Prerequisites: Successful completion of the Graduate Comprehensive

Students review major topics, issues, and trends in special education and do an in-depth seminar paper in selected area. This course must be taken during the last six hours of the degree program.

SPED 799 COMPREHENSIVE EXAMINATION 0 CREDITS

Former course number 699 Prerequisites: None

School Psychology

SPSY 501 Introduction to School Psychology 3 CREDITS

Former course number 501 Prerequisites: None

This course is an exploration of the history and foundations of school psychology, ethics and standards of practice, professional trends, as well as organization and operation of schools. This course is only open to School Psychology Majors. Special Permission to enroll in this course is required for other students.

SPSY 502 Philosophy of Education 3 CREDITS

Former course number 502 Prerequisites: None

This course consists of discussion of sociological, philosophical, and historical foundations of Western education, with special emphasis on how they relate to current educational issues and practices.

SPSY 503 School-Based Consultation 3 CREDITS

Former course number 503 Prerequisites: None

This course is designed to teach the skills and methods of psychological and educational consultation as practiced in settings such as educational systems. Students are introduced to basic concepts in consultation, and relevant strategies promoting change in individuals, small groups, and large systems. It provides in class experiential components that assist students in learning about the process of consultation, specifically with culturally diverse populations.

SPSY 504 Psychopathology of Childhood 3 CREDITS

Former course number 504 Prerequisites: None

This course examines child and adolescent disorders and how they affect educational performance and achievement. Major focus will be on the assessment, design, etiology, and treatment of various disorders including: anxiety and mood disorders, conduct and attentional disorders, learning disorders, autism and schizophrenia. The course investigates how peers, families, teachers, schools gender, developmental stage and socio-cultural variables are affected by these problems. This course is only open to School Psychology Majors. Special Permission to enroll in this course is required for other students.

SPSY 505 Counseling Children in the School Setting 3 CREDITS

Former course number 505 *Prerequisites:* None

This course is an examination and evaluation of various psychotherapeutic approaches as they relate to children and as they are applied in clinical and educational settings and in the home. This course is only open to School Psychology Majors. Special Permission to enroll in this course is required for other students.

SPSY 507 School Assessment I 3 CREDITS

Former course number 507 *Prerequisites:* None

Basic and advanced concepts and theories of psychological and educational assessment, including test development, are taught in this course. Also discussed are social, legal, cultural, and ethical considerations in testing and commonly used tests. This course is only open to School Psychology Majors. Special Permission to enroll in this course is required for other students.

SPSY 509 Research Methods and Statistics 3 CREDITS

Former course number 509 *Prerequisites:* None

This course involves an in-depth examination of statistical methods used in psychological and educational research, including techniques of data collection, quantitative and qualitative analyses and the interpretation of data.

SPSY 510 The Psychology of Exceptional Children 3 CREDITS

Former course number 510 *Prerequisites:* None

This course is a study of the nature of all children who differ significantly from the typical child. Attention is directed towards gifted children as well as children with physical or mental handicaps, emotional disturbance, and speech and hearing problems.

SPSY 511 Personality Assessment 3 CREDITS

Former course number 511 *Prerequisites:* None

This course is an introduction to a broad range of approaches, theories, and research focusing primarily on assessing psychological functioning using standardized personality questionnaires and structured and unstructured interviews. Other assessment approaches considered include observation, rating procedures, and individualized measures.

SPSY 601 Human Learning 3 CREDITS

Former course number 506 *Prerequisites:* None

This course represents a systematic exploration of contemporary and classic theories of human learning and focuses on the application of different types of learning to human problems.

SPSY 606 Child Neuropsychological Assessment 3 CREDITS

Former course number 606 *Prerequisites:* None

This course consists of an introduction to theory, research and clinical case material relevant to the assessment of cognitive, motor, and neuropsychological functioning of children. Course requirements include the supervised administration and interpretation of diagnostic approaches to cognitive and neuropsychological functioning in children. Other topics include cultural, biological, and situational factors that influence cognitive performance and its assessment.

SPSY 607 Practicum in Psychoeducational Assessment 3 CREDITS

Former course number 607 *Prerequisites:* SPSY 501; 507; 510; 610

The Practicum experience consists of fieldwork under the supervision of a certified or licensed school psychologist. It provides experience in psychoeducational assessment techniques and procedures and the analysis and interpretation of psychological test results. In addition to the time spent in the applied setting, students will be required to attend weekly seminars conducted by a program faculty member. This course is only open to School Psychology Majors. Special Permission to enroll in this course is required for other students.

SPSY 608 Practicum in Therapeutic Approaches with Children 3 CREDITS

Former course number 608 *Prerequisites:* SPSY 503; 505; 607

The Practicum experience consists of fieldwork under the supervision of a certified or licensed school psychologist. This intervention practicum allows students to develop psychological counseling skills through initiation and maintenance of an on-going therapeutic relationship and establishment of appropriate diagnostic and assessment procedures in identifying problems. In addition to the time spent in the applied setting, students will be required to attend weekly seminars conducted by a program faculty member. This course is only open to School Psychology Majors. Special Permission to enroll in this course is required for other students.

SPSY 609 Social and Personality Development 3 CREDITS

Former course number 609 *Prerequisites:* None

This course is a systematic review of research, major theories, and points of view in regard to major problems in the fields of social and personality development.

SPSY 610 School Assessment II 3 CREDITS

Former course number 508 *Prerequisites:* SPSY 507

This course examines basic and advanced concepts and theories of psychological, social-emotional-behavioral, and educational assessment. It emphasizes the methods used for evaluating school aged children and the skills required for formulating, conducting, and reporting comprehensive psychological evaluations. This course is only open to School Psychology Majors. Special Permission to enroll in this course is required for other students.

SPSY 611 Alternative Assessment Methods 3 CREDITS

Former course number 611 *Prerequisites:* None

This course teaches types and objectives of assessment for planning and implementing programs for children. Qualitative and quantitative approaches to assessment and evaluation and methods of observing children are also discussed.

SPSY 701 Psychological and Educational Interventions 3 CREDITS

Former course number 603 *Prerequisites:* None

This course provides students with the knowledge and professional skills necessary to design, implement, monitor, and evaluate psycho-educational interventions with children in a school setting. Students will explore strategies and techniques helpful for providing interventions at the individual, classroom, building and systems level. Students will become familiar with practices that support collaboration with school personnel, families, and communities in order to support school children with academic, behavioral, and social-emotional needs. The students will also explore therapeutic and academic approaches used for children with common psychological childhood disorders. Current research on evidenced- based-interventions (EBI's) is also emphasized.

SPSY 702 Seminar in Ethics & Professional Issues in School Psychology 3 CREDITS

Former course number 604 *Prerequisites:* None

This course represents an overview of the ethical and professional issues involved in psychological research, testing, instruction, and practice, with special attention to advocacy and ethical decision making regarding a variety of primary, secondary, and tertiary interventions. This course is only open to School Psychology Majors. Special Permission to enroll in this course is required for other students.

SPSY 703 Cultural Proficiency in School Psychology 3 CREDITS

Former course number 605 *Prerequisites:* None

This course consists of an examination of the important differences and similarities that exist among and within cultures in the way people develop psychological, educational, and other competencies in the period from birth through adolescence. It will enhance students' self-awareness and sensitivity for culturally competent school psychology practice with individuals, families, groups, organizations and communities.

SPSY 799 Comprehensive Examination CREDITS

Former course number 699 *Prerequisites:*

SPSY 800 Thesis I 3 CREDITS

Former course number 601 *Prerequisites:* None

All degree candidates in the program are required to complete a research-based thesis. This is done under the guidance of a faculty member who has similar research interests.

SPSY 801 Thesis II 3 CREDITS

Former course number 602 *Prerequisites:* None

All degree candidates in the program are required to complete a research-based thesis. This is done under the guidance of a faculty member who has similar research interests.

SPSY 805 School Internship I 3 CREDITS

Former course number 700 *Prerequisites:* 54 semester hours of selected coursework in School Psychology

Students receive direct supervision from qualified School Psychologists in a public school setting for this full-time internship which is designed to provide students with a comprehensive set of activities related to the competent provision of psychological services in a school setting. Field supervisors meet with student interns for at least two hours weekly for individual supervision to review the quality of their professional work. The program supervisor meets with students on a regular basis to monitor the progress of the internship, and consults with the field supervisor regarding performance and problems that may arise. This course is only open to School Psychology Majors. Special Permission to enroll in this course is required for other students.

SPSY 807 School Internship II 3 CREDITS

Former course number 701 *Prerequisites:* 54 semester hours of selected coursework in School Psychology

Students receive direct supervision from qualified School Psychologists in a public school setting for this full-time internship which is designed to provide students with a comprehensive set of activities related to the competent provision of psychological services in a school setting. Field supervisors meet with student interns for at least two hours weekly for individual supervision to review the quality of their professional work. The program supervisor meets with students on a regular basis to monitor the progress of the internship, and consults with the field supervisor regarding performance and problems that may arise. This course is only open to School Psychology Majors. Special Permission to enroll in this course is required for other students.

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