



Graduate Catalog

2010 – 2012

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.



Mickey L. Burnim, Ph.D.
President



PRESIDENT'S MESSAGE

Welcome to Bowie State University

Congratulations on being admitted to Bowie State University, one of the finest comprehensive public institutions in the country! The pursuit of a graduate degree can be one of life's most exciting adventures.

This catalog provides a broad overview of Bowie State University and a list of programs, courses, requirements, and services that provide the information you will need to make sound decisions about your academic career. Please use the information to plan your class schedules and for the efficient fulfillment of all requirements for your respective degree program.

You will be served by a dedicated group of talented faculty and staff. We are here to provide you with the highest quality education, ensuring that you are well prepared for your future endeavors. Our service will be guided by our strong core values—**Excellence, Civility, Integrity, Diversity, and Accountability.**

As you commit to achieving your goals at BSU, I wish you a fulfilling experience and look forward to seeing you on campus.

Sincerely,

Mickey L. Burnim



Stacey Franklin Jones, Ph.D.
Provost and Vice President
for Academic Affairs

PROVOST'S MESSAGE

At Bowie State University, students are our first priority. Indeed, we are pleased you have selected this historic institution for your graduate studies. With a rich legacy of 145 years of academic service to this community, Bowie State University stands ready to help you develop and enhance your leadership skills, as well as broaden your social, cultural, and intellectual horizons.

It is particularly noteworthy that graduate education at BSU is characterized by small classes and a distinguished faculty, among whom you will find award winning authors and professors who have achieved high honors for excellence in teaching, research, and community service. Our goal is to match students with our nationally acclaimed faculty on the basis of their mutual research interests and scholarly pursuits.

This catalog will serve as your guide to the programs we offer, the policies and procedures you are expected to follow, the student services we provide, and the countless opportunities we will make available to you. We encourage you to become familiar with the material pertaining to your degree programs and to make certain, in concert with your faculty advisers, you are in compliance with all requirements.

We are here to serve you in any way we can. Be assured we are committed to your success and look forward to the day we can count you among our proud and successful alumni.

Sincerely,

A handwritten signature in black ink that reads "Stacey Franklin Jones". The signature is written in a cursive, flowing style.

Stacey Franklin Jones

Cosmas U. Nwokefor, Ph.D.
Interim Dean



DEAN'S MESSAGE

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 2010 – 2012 academic years. 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 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.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Nwokefor'. The signature is fluid and cursive, written over a light-colored background.

Cosmas U. Nwokefor

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**Bowie State University
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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, Maryland, 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

Bowie State University will be an important higher education access portal for qualified persons from diverse academic and socioeconomic backgrounds who seek a high quality and affordable public comprehensive university. The university will empower our students and improve our world through rising enrollments, improving graduation rates, and service to the community. We will do so while placing special emphasis on the science, technology, teacher education, business, and nursing disciplines within the context of a liberal arts education.

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, a regional comprehensive university of the University System of Maryland, embraces diversity, which includes its African American heritage, emphasizes its foundational heritage in teacher education, facilitates

interdisciplinary learning, fosters research, and produces graduates who are technologically astute, think critically, and demonstrate proficiency in their chosen fields.

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 to 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 College 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 Colleges of Education and Professional Studies share the Center for Learning and Technology. The Xseed supercomputer is also housed in the Center.

The 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.

The 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.

The 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.

The 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.

The 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.

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 Haley, and Christa McAuliffe has special residency requirements. Alex Hayley houses the University's resident honors students.

The Goodloe Alumni House (Welcome Center) Educator Don Speed Goodloe built the five-bedroom home off Jericho Park Road for his family in 1916. Later when his life and accomplishments were all but forgotten, the home he built became equally inconspicuous. Goodloe, who died in Washington in 1959, was the first head of the institution that became Bowie State University. During his tenure it was called the Maryland Normal and Industrial School (for Colored

students). Established on a 187-acre Prince George's County farm in 1910, it was the third teachers college begun in the state and the only one open to black people.

Goodloe led the teachers college for a decade, but a fire that destroyed many of the school's records after his resignation all but buried his contributions. He reemerged after a treasure trove of historical documents some relating to the black intelligentsia of the early 1900s, was discovered in his old house.

The Graduate School

The Graduate School 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 in Computer Science.

The Graduate Council

The Graduate Council serves as policymaking 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 for 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. This determination will be made by the degree program or its designee. Full admission will be granted upon receipt of missing or incomplete admissions material by the Office of Graduate Admissions. 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 the Office of Graduate Admissions at Bowie State University, including the institution that will confirm the completion of the bachelor's degree. Continuing students who have not been enrolled at Bowie State for more than one year but less than seven years are required to complete a *Readmission Application*.

Priority dates have been established for the submission of applications for each entering term. These dates insure the timely processing of graduate applications. Applications submitted after this date will not receive the same guarantee of timely processing and in the case of some programs, acceptance will not be made due to enrollment capacities. The priority date for the admission application packets for Graduate School should be completed by the following 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 Continuing Education & External Programs
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 *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 eligible to be admitted to 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. A representative of the graduate degree program makes the decision on the transferability of a course.
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 the 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 to carry out sponsorship for one academic year. Students also may sponsor themselves by submitting their personal bank statement indicating sufficient funding, and 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:

- Addiction Counseling
- 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 Graduate School Office 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 School 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 School will administer the Comprehensive Examination three times each year: the Fall semester, the Spring semester, and the Summer session. {Not all graduate programs will offer the comprehensive examination during the summer. Please verify plans for summer administration with the program.}

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. The Office of the Registrar will inform students of their eligibility.
- IV. Students are encouraged to attend the Comprehensive Examination orientation session held on the 2nd Tuesday of September or February at 4 p.m. (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 a.m. 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 a.m. and ending at 1 p.m.
- 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 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. Nwokefor
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)
cnwokefor@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 means a research proposal does not involve human subjects and therefore, it is exempt from further IRB review. However, such research must be submitted to the chair for his review and 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 committee chairperson
2. three other committee members
3. 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 School Representative

- The Graduate School will have a representative at the dissertation defense.
- The Graduate Dean will select the representative.

- 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 College 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 dissertation/thesis must be cleared by the Dean of the Graduate school after it has been successfully defended and all revisions suggested by the committee have been made. Once cleared, students should upload their dissertation/thesis to ProQuest/UMI with the original copy of the committee signed sheet. A receipt of payment must be submitted to the Dean of the Graduate School before a final clearance and approval will be granted. After publication and printing, the dissertation/thesis **must** be mailed to the Graduate School, Bowie State University, Center for Business & Graduate Studies, Suite 1312,

14000 Jericho Park Road, Bowie, MD 20715. The dissertation/thesis should not be mailed to the student's home/private address. Students will be notified to pick up their bound copy as soon as it becomes available.

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

FINANCIAL INFORMATION

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.

Financial Requirements for Registration

All students who register for classes incur a financial obligation to the Bowie State University. Students are responsible for all charges incurred at the University. Failure to attend classes does not constitute withdrawal from the Institution or a class. Students must formally withdraw from the University or a class through the Registrar's Office. Any adjustment in charges will follow the policy presented in the *Schedule of Classes* (www.bowiestate.edu).

Returning students will not be permitted to register for a subsequent semester until all financial obligations, including current semester fees, parking violations, library fines, and any other outstanding charges, have been paid. Account balances must be cleared before students will be allowed to participate in future registrations and graduation or to receive transcripts or diplomas. Only the Director of Student Accounts may issue a waiver to maintain the student's registration when payment requirements have not been satisfied or allow a student to register with a prior outstanding balance.

Cancellation of a student's registration may occur if the bill is not paid in full or if approved arrangements have not been made to cover the outstanding balance. Bill due dates and class cancellation dates are published on the University website (www.bowiestate.edu.) Failure to receive a billing statement does not relieve the student of the payment obligation.

Payment Policy

Acceptable payment methods are cash, check, money order, cashier's check, certified check, MasterCard, Visa, American Express, and Discover Card. Payment may be made at the Student Accounts Office, by credit card on-line through Bulldog Connection, or by check or credit card through the Interactive Voice Response System. Students who register before the billing date will receive a bill via e-mail and must make payment or approved payment arrangements prior to the bill due date or their enrollment may be canceled. Students who register after the billing date may review their bill on-line via Bulldog Connection and must pay their bill or make approved payment arrangements prior to the due date of the bill or enrollment may be cancelled.

Students who register for the second 8-week session are expected to make payment or approved payment arrangements at the time of registration.

Approved payment arrangements authorized by Board of Regents policy are:

1. Students who are approved for a Guaranteed Student Loan;
2. Third Party Billings (sponsor pays all or part of the students' charges);
3. Students who are enrolled in a University approved installment payment program; and
4. Financial aid awarded by the institution that has not been completely processed.

Students who register during late registration will incur a \$50.00 late registration fee. During late registration, payment for semester charges is due and payable at the time of registration.

Returned Checks

In the event that a check rendered as payment is returned by the bank unpaid for any reason, the privilege of using a personal check as payment to the University will be immediately revoked. A fee of \$30.00 will be assessed for any returned check. If the University determines that a student's check is invalid, his/her courses are removed for the PeopleSoft Registration system and he/she must officially withdraw from the University. If the student fails to withdraw, he/she remains liable to the University for all incurred charges.

Errors in Billings

The University retroactively adjusts accounts and bills if accounting errors or charge omissions are identified. The student is responsible for all costs incurred while attending Bowie State University.

Referral to Collection Agency

The University will make every effort to collect all outstanding balances pursuant to State of Maryland regulations. Accounts are reviewed and considered for submission to the State Central Collections Unit (SCCU) ninety (90) days after the official start date of classes. As an agency of the State of Maryland, the University is required by state law to refer delinquent accounts to the State Central Collections Unit. At the time of referral, a collection charge of 17% is added to the balance of the account, plus any additional attorney and/or court costs. In addition, SCCU is authorized by state law to intercept an individual's state income tax refund or other payment made through the State to apply toward an outstanding debt. The SCCU also reports delinquent accounts to credit bureaus.

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.

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. "While you Wait" service is available on Wednesday.
- V. If the transcript is ordered and mailed, there is no fee and it will take up to 48 hours.

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 their respective department. 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. Enroll in a minimum of nine (9) graduate credits each semester of the assistantship;
2. Enroll 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 University 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 Extension

A program extension may be granted for up to two years to a student whose time limit is about to expire. It is the students' responsibility to contact his/her department to obtain the required paperwork and signatures. An extension can be granted for more than two times depending on the circumstances.

Procedure:

- I. A program extension form is obtained from the program area (department).
- II. The form must be completed by the student.
- III. The Program Coordinator must write their recommendation in the designated area, then date and sign the form.
- IV. The completed form must be submitted to the Graduate School for the Graduate Dean's approval/denial. Program Coordinators and Chairs make recommendations for program extensions, but **do not** give approvals or send approval letters to students.

Program of Study

Degree and certificate students must follow a program of study approved by the graduate advisor, the College Dean 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 advisor, the student, and the Graduate Dean will sign the form.
- 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 School 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 advisor, the student, and the Graduate Dean will sign the *Change of Program* form.
- 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 the Office of the Registrar has granted advancement, 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 contributes 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 College should address appeals to the Dean of the respective College.

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 College. 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.

OFFICE OF ALUMNI RELATIONS

The Office of Alumni Relations serves as the University's liaison to the Bowie State University National Alumni Association (BSUNAA). The Office maintains an active role in increasing alumni participation with the University and with the BSUNAA. The Office coordinates activities that celebrate the accomplishments of the University and the accomplishments of alumni. Active involvement of

alumni in the University is a major goal and focus of the Office of Alumni Relations.

Alumni are encouraged to establish a mutually beneficial relationship between Bowie State University and the BSUNAA, by being an active member, keeping the University apprised of their accomplishments and networking with other alumni and current students. , you will continue to find enrichment from your relationship with Bowie State University and members of the BSUNAA.

Membership with the BSU National Alumni Association

All persons having attended Bowie State University, formerly Bowie State College, Maryland State Teachers College, Bowie Normal School #3, and Maryland Normal School for Colored Youth shall be entitled to membership.

STUDENT ALUMNI ASSOCIATION

The Student Alumni Association (SAA) is a student program that cultivates relationships between students and alumni, enhances the college experience through exciting, memorable events, and promotes Bowie State University (BSU) pride and tradition. Students and alumni have respect for the rich traditions of BSU and possess a lasting love for their alma mater. The Student Alumni Association (SAA) is an excellent vehicle to begin this process. It is through this type of student organization that traditions are taught and continued; and that affinity to the institution is established. During the course of the student experience the progression to alumni occurs. At the conclusion of the student experience, energetic alumni emerge ready to come to the assistance of their alma mater, both financially and intellectually.

COLLEGE OF ARTS AND SCIENCES

Dr. George Acquah, Dean

The College of Arts and Sciences is the academic foundation upon which Bowie State University is built. Our academic programs are designed to inculcate in students the ability to think critically, foster a life-long commitment to learning, develop students' awareness of their cultural traditions, strengthen the skills of scientific inquiry, and promote the application of knowledge ethically and responsibly for the betterment of society.

Students in our academic enterprise are challenged to devote themselves to the pursuit of excellence in their quest of knowledge, and to take an active role in their education, while honing their leadership skills. Our distinguished faculty members are not only committed to the discovery, application, and dissemination of knowledge in their service of society, but do so in an environment that respects and nurtures diversity and fosters student learning.

The College offers four masters degrees – MA Organizational Communication, MA Applied and Computational Mathematics, MA English and MS Computer Science. In addition to these degrees, the College offers the Doctor of Computer Science degree, one of only two doctoral programs at Bowie State.

Graduates from our programs are very competitive in the job market. For additional information, please call us at 301-860-3320 or visit our website.

<p>DEPARTMENT OF COMMUNICATIONS 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 and radio 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 (including a Supplemental Application with three references)* 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.

Concentrations--Thesis Option

Telecommunications Policy
Public Affairs Communications

The thesis option 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. In this option, students must complete a Master's Thesis that includes original, applied research. Students will write their thesis as part of ORGC 738 Applied Research Design (Fall only) and ORGC 815 Thesis (Spring only). Students are also required to pass a comprehensive examination. Furthermore, the thesis option prepares graduates for doctoral degree study in human communications and related fields of study.

Program Requirements

Core Courses

ORGC	502	Communications Theory and Research
ORGC	504	Organizational Communications
ORGC	522	Corporate Telecommunications
ORGC	738	Applied Research Design
ORGC	815	Thesis

Non-core Courses

ORGC	606	Domestic Telecommunications Policy
ORGC	607	Leadership and Change Communication
ORGC	608	Telecommunications National Development

ORGC	612	Special Topics on Organizational Communications
ORGC	627	Mediation and Conflict Resolution
ORGC	630	Corporate Advertising
ORGC	631	Organizations and Intercultural Communication
ORGC	634	Public Relations Management
ORGC	636	International Telecommunications
ORGC	735	Organizational Publications
ORGC	810	Practicum in Telecommunications Policy
ORGC	816	Thesis Advisement

PUBLIC AFFAIRS COMMUNICATIONS-THESIS OPTION

PROPOSED PROGRAM (36 semester hours)

ORGC	502	Comm Theory & Research
ORGC	504	Organizational Communications
ORGC	522	Corporate Telecommunications
ORGC	738	Applied Research Design
ORGC	815	Thesis
		Selected course in ORGC (PA Concentration)
		Selected course in ORGC (PA Concentration)
		Selected course in ORGC (PA Concentration)
		Selected course in ORGC (PA or Telecomm Concentration)
		Selected course in ORGC (Telecomm Concentration)
		Elective outside ORGC
		Elective outside ORGC

TELECOMMUNICATIONS POLICY-THESIS OPTION

PROPOSED PROGRAM (36 semester hours)

ORGC	502	Comm Theory & Research
ORGC	504	Organizational Communications
ORGC	522	Corporate Telecommunications
ORGC	738	Applied Research Design
ORGC	815	Thesis
		Selected course in ORGC (Telecomm Concentration)
		Selected course in ORGC (Telecomm Concentration)
		Selected course in ORGC (Telecomm Concentration)
		Selected course in ORGC (Telecomm or PA Concentration)
		Selected course in ORGC (PA Concentration)
		Elective outside ORGC
		Elective outside ORGC

Concentrations--Non-Thesis Option

Telecommunications Policy
Public Affairs Communications

The non-thesis 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. In this option, students will write a seminar paper, as per the requirements of the Graduate School, while enrolled in ORGC 612 Special Topics on Organizational Communications. This paper will be presented as part of the Annual ORGC Research Forum in the Spring. Students are also required to pass a comprehensive examination.

Program Requirements

Core Courses

ORGC 502	Communications Theory and Research
ORGC 504	Organizational Communications
ORGC 522	Corporate Telecommunications
ORGC 607	Leadership and Change Communication
ORGC 612	Special Topics on Organizational Communications

Non-core Courses

ORGC 606	Domestic Telecommunications Policy
ORGC 608	Telecommunications National Development
ORGC 627	Mediation and Conflict Resolution
ORGC 630	Corporate Advertising
ORGC 631	Organizations and Intercultural Communication
ORGC 634	Public Relations Management
ORGC 636	International Telecommunications
ORGC 735	Organizational Publications
ORGC 810	Practicum in Telecommunications Policy

PUBLIC AFFAIRS COMMUNICATIONS-NON-THESIS OPTION

PROPOSED PROGRAM (36 semester hours)

ORGC 502	Comm Theory & Research
ORGC 504	Organizational Communications
ORGC 522	Corporate Telecommunications
ORGC 607	Leadership & Change Communication

- ORGC 612 Special Topics on Organizational Communcaitions
 Selected course in ORGC (PA Concentration)
 Selected course in ORGC (PA Concentration)
 Selected course in ORGC (PA Concentration)
 Selected course in ORGC (PA or Telecomm
 Concentration)
 Selected course in ORGC (Telecomm Concentration)
 Elective outside ORGC
 Elective outside ORGC

TELECOMMUNICATIONS POLICY-NON-THESIS OPTION

PROPOSED PROGRAM (36 semester hours)

- ORGC 502 Comm Theory & Research
 ORGC 504 Organizational Communications
 ORGC 522 Corporate Telecommunications
 ORGC 607 Leadership & Change Communication
 ORGC 612 Special Topics on Organizational Communcaitions
 Selected course in ORGC (Telecomm Concentration)
 Selected course in ORGC (Telecomm Concentration)
 Selected course in ORGC (Telecomm Concentration)
 Selected course in ORGC (Telecomm or
 PAConcentration)
 Selected course in ORGC (PA Concentration)
 Elective outside ORGC
 Elective oustide ORGC

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 504 (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.

Note:

Students accepted into the graduate program in computer science can pursue either a Masters degree or a Doctoral degree in computer science. However, students pursuing a Doctorate degree can request to be awarded a Masters degree along the way provided they have fulfilled all the requirements for the Masters 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. 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. 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
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

<p style="text-align: center;">DEPARTMENT OF COMPUTER SCIENCE Chair: Dr. Sadanand Srivastava</p>
<p style="text-align: center;">DEGREE OFFERED Doctor of Applied Science in Computer Science</p>

Doctoral Program Coordinator:
Dr. Manohar Mareboyana
Room 221, Computer Science Building

The Doctor of Applied Science (D.A.S.) program is designed to produce advanced technology professionals who 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 students' 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 Bachelor's degree with a minimum of 3.0 cumulative GPA and background in Computer Science which includes computer organization and program development in a high-level language
2. A minimum of two letters of recommendation
3. A statement letter indicating educational and professional objectives of the candidate
4. A minimum TOEFL score of 550 (International students)

Program Requirements

1. Completion of a minimum of 60 graduate-level credit hours (not including dissertation) 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.) Up to six graduate-level computer science credits may be counted from qualifying institutions. Students entering the program with a Master's Degree in Computer Science or related area may be able to count up to thirty graduate-level computer science credits from qualifying institutions.
2. Satisfactory completion of the comprehensive examination.
3. Satisfactory completion of the dissertation requirements (12 credits).
4. Satisfactory completion of the dissertation defense.

Courses

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 concentration areas 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

B. Knowledge Areas (36 Credits)

1. Computer Systems

COSC	614	Operating Systems II
COSC	635	Information Privacy and Security
COSC	545	Software Security
COSC	554	Design of Embedded Systems
COSC	645	Applied Cryptography
COSC	735	Advanced Wireless Security
COSC	585	Computer Communication Networks I
COSC	685	Computer Communication Networks II
COSC	687	Distributed Computer Systems
COSC	887	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	615	Performance Evaluation

3. Database Systems and Artificial Intelligence

COSC	531	Database Design
COSC	631	Database and Information Systems II
COSC	573	Artificial Intelligence I
COSC	673	Artificial Intelligence II
COSC	831	Advanced Data Warehousing and Data Mining

4. Multimedia Technology/Computer Vision

COSC	518	Computer Graphics I
COSC	618	Computer Graphics II
COSC	719	Image Processing I
COSC	819	Image Processing II
COSC	729	Virtual Reality and Its Applications

5. Scientific Computing

COSC	541	Numerical Analysis I
COSC	641	Numerical Analysis II
COSC	871	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	676	Queuing Theory in Computer Science
COSC	678	Modeling and Simulation

C. Advanced Research Concentration Area (requires 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	900- 909	Dissertation
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The Comprehensive Examination

Part I of the comprehensive examination consists of the Computer Science Core Topics, and is required. Parts II through Part VI correspond to the five Knowledge Areas; students choose two of these five areas for their exam.

- Part I Computer Science Core Topics
- Part II Computer Systems
- Part III Software Engineering and Programming Languages
- Part IV Database Systems and Artificial Intelligence
- Part V Multimedia Technology/Computer Vision
- Part VI Scientific Computing

- The comprehensive examination is a written examination, and will be offered twice a year, in January and in June. A student may attempt all three parts at once. Each part is given a pass/fail grade by the examination evaluation committee. The student must pass Part I and two of the five Knowledge Area parts in order to pass the comprehensive examination.
- A student is allowed to attempt a particular part of the exam no more than two times. If a student passed one or more parts in the first attempt, he/she does not have to attempt those parts in the second attempt.

- A student should pass the comprehensive examination within the first five years in the program. If a student does not pass within the time period, the Doctoral Program Committee will review the status of the student to determine whether the student will remain in the program or be dismissed.

DEPARTMENT OF ENGLISH AND MODERN LANGUAGES

Chair: Dr. Anne L. 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 who hold bachelor's degrees in English or related areas must have a cumulative grade point average of 2.5 or better.
2. Applicants who hold degrees in other areas must have a cumulative GPA of 2.75 or better, and they will be required to take selected undergraduate English courses as prerequisites.
3. Applicants must submit an Application for Admission, pay the appropriate fee, and submit an official copy of their undergraduate transcript.
4. All applicants will be required to provide a writing sample before the final admission decision is rendered. The applicants will write the sample on the main campus of Bowie State University under the supervision of Master of Arts in English program personnel.

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 21 credits of program requirements (see specific stipulations that follow), the student may register for and pass the Graduate Written Comprehensive Examination.

After successfully completing a minimum of 21 credit hours of coursework that count toward the MA in English degree, students should be able enroll in ENGL 799 and ENGL 800, as long as they meet the following criteria:

- (i) at least 9 of the 21 credits should be core requirements (501, 502, 601, 602, and 737);
 - (ii) at least 3 of the 21 credits should be fulfilling the “Special Topics” requirements;
 - (iii) at least 3 of the 21 credits should be fulfilling the “Seminar” requirements.
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
ENGL	763	Special Topics in Linguistics

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	545	Advanced Grammar
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	800	Thesis Design and Preparation I
ENGL	801	Thesis Design and Preparation II
ENGL	802	Thesis Continuation (Optional, One credit)

Total		36 Credits
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DEPARTMENT OF MATHEMATICS Chair: Dr. Nelson Petulante
DEGREE OFFERED Master of Science 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	Software Design and Development II
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 I
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 at Bowie State University includes the Department of Accounting, Finance and Economics, the Department of Information Systems and the Department of Management, Marketing, and Public Administration. The College offers graduate programs leading to the Master of Business Administration, the Master of Public Administration, and the Master of Science in Management Information Systems. Our programs are student-centered and faculty-driven through contemporary curricula. Each program provides students with the opportunities to acquire the knowledge, skills, and abilities to reach their fullest potential.

Curriculum requirements emphasize and encourage critical thinking, written and oral communication, and ethical decision making. Our new, state-of-the-art facility provides a supportive, nurturing, and stimulating intellectual environment for the development of future business, public administration, and information technology leaders. Students have abundant opportunities to interact with leaders and mentors in the local and global business community.

The College of Business is poised to place students on pathways to successful careers. Leading corporations and government agencies actively recruit our well-prepared graduates to make meaningful contributions. We invite you to continue exploring our programs to learn more about exciting opportunities that await you.

DEGREE OFFERED

Master of Business Administration

Graduate Program Coordinator:

Dr. Granville Sawyer

Room 3321, 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

Graduate Program Coordinator:

Dr. Archie Morris

Room 2340, 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 to the Office of the Graduate Registrar 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 prerequisite requirements for admission as stated below.

- Students who transfer to the MPA program from other accredited graduate programs may be allowed to transfer no more than six credits provided those credits meet the requirements for course work leading to the MPA degree.
- The minimum prerequisites for students entering the program shall include undergraduate course work in the following:
 1. A course in U.S. Government or Political Science.
 2. Principles of Micro and Macro Economics or ECON 498 (combined course work in Micro/Macro Economics).
 3. Course in Computer Science or evidence of computer literacy.
 4. Course in Introduction to Statistics.
 5. Course in College Algebra.
- Based upon the judgment of the Chair in consultation with the public administration program coordinator, applicants holding certain undergraduate degrees may require additional prerequisite course work in order to be admitted to the Master of Public Administration degree program.

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	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. Students may be subject to dismissal from the MPA program under the following conditions:

- If a student receives three “C” grades during their matriculation in the MPA program.
- If a student receives an “F” or “FW” grade during their matriculation in the MPA program.

- Student may not repeat a graduate course more than one time without special permission.
- Students will be allowed no more than three attempts to pass the comprehensive examination.

The comprehensive examination questions will be based upon topics from the following three academic domains:

1. Public Policy Analysis
2. Qualitative Research
3. Organization Behavior

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 Master of Science in Information Systems (MSIS) program is designed to prepare students for careers in the analysis, design, implementation, & management of information systems and information technology. The program requires **7 core courses** and **5 electives chosen** from one of the three concentration tracks: *Information Systems Management, Digital Business and Knowledge Management, or Information Security Management.*

Due to extensive course offerings in the summer, most students are able to complete the master's degree program in two years.

Admission Requirements

Students must submit evidence of a Bachelor's degree from an accredited institution, and have a cumulative GPA of 2.5 or better, and other general admission requirements established by the Graduate School. In addition, the prerequisite for the program is a bachelor's degree in business, management, computer information systems, computer science, engineering, or a related field that includes the following courses: College Algebra, Statistics or Quantitative Methods, Programming Languages, Business and Management, and Computer Applications.

Students who do not meet all of the prerequisite conditions may be granted conditional admission and may be required to complete some or all of the following prerequisite **foundation courses** (not included in **the degree program requirements**):

- Principles of Management or Introduction to Business
- Any object-oriented programming language
- Statistics or Quantitative Methods for Decision Making
- Computer Concepts and Principles of Information Systems

Students who have some work experience in the information systems or information technology field, but do not have the required academic background may qualify for the MSIS Program.

Degree Requirements: a minimum of 36 semester hours consisting of **seven (7) core and five (5) electives courses**

Core Courses (21 Credits)

INSS 615 – Principles and Practices of Information Systems Development *

INSS 630 – Information Systems in Organizations*

INSS 638 – Data Communications and Networks*

INSS 640–Information Systems Analysis & Design*

INSS 650 – Database Management and Decision Systems*

INSS 880 – Information Systems Practicum (to complete an information systems project):

INSS 890 – Professional Seminar (complete analytical or scientific research paper):

*Courses recommended to be completed before attempting the comprehensive examination (**INSS 899**).

Electives Courses

Information Systems Management Concentration (15 credits)

INSS 620 – Software Structures

INSS 625 – Individual and Group Dynamics in Organizations

INSS 720 – Information Systems Policy

INSS 730 – Strategic Information Management

INSS 733 – Business Process and Change Management

INSS 740 – Advanced Object-Oriented Analysis and Design

INSS 745 – Systems Problem Solving Methods

INSS 775 – Information Systems Project Management

INSS 776 – Principles of Enterprise Architecture

INSS 825 – Issues in Information Systems Management

INSS 735 – Information Systems Security

INSS 887 – Emerging Issues in Information Security Management

INSS 895 – Emerging Issues in Digital Business and Knowledge Management

Digital Business and Knowledge Management Concentration (15 credits)

INSS 655 – Human Information Processing

INSS 662 – Decision Support and Intelligent Decision Systems

INSS 663 – Electronic Commerce and e-Business Technologies

INSS 658 – Health Informatics

INSS 673 – Fundamentals of Digital Business Strategy

INSS 715 – Knowledge Management Systems

INSS 750 – Database and Distributed Systems Security

INSS 755 – Data Warehousing and Mining

INSS 885 – Special Topics: e-Business Venture Creation

INSS 895 – Emerging Issues in Digital Business and Knowledge Management

INSS 735 – Information Systems Security

INSS 773 – Digital Business Security
INSS 775 – Information Systems Project Management
INSS 825 – Issues in Information Systems Management
INSS 887 – Emerging Issues in Information Security Management

Information Security Management Concentration (15 credits)

INSS 635 – Communications Theory
INSS 636 – Information Systems and Telecommunications
INSS 735 – Information Systems Security
INSS 765 – Information Measures
INSS 770 – Auditing, Monitoring, and Intrusion Detection
INSS 773 – Digital Business Security
INSS 777 – Advanced Information and Network Security
INSS 778 – Information Security Risk Management
INSS 779 – Advanced Information Assurance
INSS 887 – Emerging Issues in Information Security Management
INSS 750 – Database and Distributed Systems Security
INSS 775 – Information Systems Project Management
INSS 825 – Issues in Information Systems Management
INSS 895 – Emerging Issues in Digital Business and Knowledge Management

Curriculum Sequence

The following sequence represents a typical selection of courses. The recommended course sequence is as follows:

First and Second Semesters

INSS 615 - Principles and Practices of Information Systems Development
INSS 630 - Information Systems in Organizations
INSS 638 - Data Communications and Networks
INSS 640 - Information Systems Analysis and Design
INSS 650 - Database Management and Decision Systems
Elective (1 course)

Third and Fourth Semesters

INSS 880 – Information Systems Practicum
INSS 890 – Professional Seminar
Electives (4 courses)
Comprehensive Examination or Master Thesis

Program of Study

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

Advancement to Candidacy

Upon completion of **fifteen (15) hours of core coursework**, the student should apply for advancement to candidacy. The minimum GPA for Advancement to Candidacy is **3.25**. Students who fail to meet the minimum 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 including INSS 615, INSS 630, INSS 638, INSS 640 and INSS 650 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 Program Coordinator, 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 the five core courses covered by the examination and *at least one semester prior to the date they expect to graduate*. The MIS faculty offers comprehensive examination orientation and review sessions prior to the examination.

Thesis Option

Students may elect to undertake directed research leading to a Master's thesis in lieu of taking the comprehensive examination. Students who choose this option will be required to enroll in INSS 898 and undertake a semester-long research project. The project will involve original or advanced research effort evaluated by a committee of three faculty members. Prior approval by a faculty sponsor who supervises the student's work is required. The course should be taken as the last course in the program.

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 the liaisons between functional units and the information processing/computer operations unit in organizations. The certificate program emphasizes the assessment of information management needs and the design of systems to meet those needs. Requirements for the certificate are fifteen (15) credit hours. The requisite courses are listed below:

- INSS 615 - Principles and Practices of Information Systems Development
- INSS 630 - Information Systems in Organizations
- INSS 640 - Information Systems Analysis & Design
- INSS 650 - Database Management & Decision Systems
- INSS 775 – Information Systems Project Management

Students who do not have a solid background in computer or information systems will be required to complete INSS 510 as a prerequisite course.

COLLEGE OF EDUCATION
Dr. Traki Taylor-Webb, Dean

Teacher preparation is the continuing legacy of Bowie State University. The College of Education continues this legacy through cultivating students who are committed to performing key roles in education. The College's goal is to produce effective educators prepared to impact the teaching-learning process. Our exceptional curriculum, stellar faculty and highly specialized technology strengthen instincts and talents in the classroom and beyond. We take pride in producing highly qualified, caring educators who are skillful instructional leaders and agents of change for an increasingly diverse learning environment.

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

The College of Education is structured to accommodate the lives of today's busy students. Students graduate from the College of Education prepared to enter the job market. For additional information please visit our website at www.bowiestate.edu or call the following departments

Department of Counseling: 301-860-3367

Department of Educational Studies & Leadership: 301-860-3246

Department of Teaching, Learning & Professional Development: 301-860-3130

DEPARTMENT OF COUNSELING Chair: Dr. Rhonda Jeter-Twilley
DEGREE OFFERED Master of Education in School Counseling P-12 (Eclectic or Adlerian)

Graduate Program Coordinator:
 Dr. Audrey Lucas
 Room 279, Center for Learning and Technology

The Master of Education (M.Ed.) degree program in School 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 School Counseling must qualify for admission to the Graduate School. The following material must be submitted to the Office of Graduate Admissions:

1. Completion of a B.A. or B.S. degree with a minimum grade point average of 2.75 and at least 12 credits in counseling, psychology or a related area.
2. Completed Graduate Application Form with the non-refundable application fee.
3. 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.

4. 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 and Other Theories
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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
PSCY	730	Adlerian Theory and Practice and Other Theories
PSYC	734	Counseling Theory and Practice (Adlerian or other counseling Theories)
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. 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 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. 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.

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.)

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. Completion of a B.A. or B.S. degree with a minimum grade point average of 2.75 and at least 12 credits in counseling, psychology or a related area.
2. Completed Graduate Application Form with the non-refundable application fee.
3. 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.
4. 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 and Other Theories
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

****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 and Other Theories: 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 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).

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 and Other Theories
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 Theory and Practice and Other Theories; 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 and Other Theories
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 and Other Theories
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 and Other Theories
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 and Other Theories

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
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 and Other Theories
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

The program shall have a logical sequence of study.

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	Adv Human Growth and Development
COUN 633	Multicultural Counseling
Total	9 Credits

Level Two

COUN 608	Career Counseling and Development
PSYC 734	Counseling Theory and Practice
	or
PSYC 730	Adlerian Theory: and other Counseling Theories
PSYC 780	Legal and Ethical Issues
COUN 731	Group Counseling
Total	12 Credits

Level Three

COUN 610	Appraisal, Assessment & Evaluation
COUN 732	Family Counseling
PSYC 836	Practicum in Counseling Psychology (200 hrs)*** 3 cr
EDUC 706	Introduction to Research

Total 12 Credits

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 806 Internship in Mental Health Counseling (400 hrs.)*** 3 cr

Total 12 Credits

Level Five

COUN 762 Drug & Alcohol Counseling
PSYC 833 Adv. Techniques in Psychotherapy
PSYC 858 Internship in Counseling Psychology (400 hrs.)*** 3 cr

Total 9 Credits

Level Six

PSYC 861 Seminar in Counseling Psychology 3 cr
Elective** 3 cr

Total 6 Credits

Total = 60 credits

*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]. Practicum may be taken the semester the comprehensive exam is taken.**

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: GUCO 633 Multicultural Counseling; EDUC 507 Human Growth and Development.

2. At level II, students may enroll in PSYC 734 Counseling Theory and Practice; GUCO 608 Career Counseling; GUCO 731 Group Counseling or PSYC 780 Legal and Ethical Issues. 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 having 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.

At the completion of twelve (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.

3. At level III, students may take Practicum and enroll in one or more of the following courses: EDUC 706 Introduction to Research, GUCO 610 Appraisal, Assessment, & Evaluation, and GUCO 732 Family Counseling. It is recommended that students take EDUC 706 Introduction to Research at the same time as GUCO 610, Appraisal, Assessment & Evaluation in order to facilitate working on the seminar paper.

After completing Levels I, and II 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]; and PSYC 775 Psychopharmacology. Electives choices available include such courses as PSYC 810 Psychometric Testing I (Intelligence Testing), PSYC 793 Art Therapy for Children, PSYC 794 Art Therapy for Adults, PSYC 737 Marital Counseling and such courses as Adlerian Theory & 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/Counseling Psychology (200 hrs). However, the *Comprehensive Examination* must be passed prior to enrollment in Level Four or Level Five Internship courses.

5. At level VI, students may enroll in PSYC 861 Seminar in Counseling Psychology and the internship courses after passing the comprehensive exam. However, students must complete the 200 hour Practicum in Counseling Psychology before enrolling in PSYC 858 Internship in Counseling Psychology (400 hrs) or PSYC 806 Internship in Mental Health Counseling (400).

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

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

DEGREE OFFERED

Certificate in Addictions Counseling

The certificate in addictions counseling may be earned concurrently with the M.A. in Mental Health Counseling or Counseling Psychology or M.Ed. in School Counseling or may be obtained after earning the master's degree. Students may find that a combination of a degree and the addictions certificate may be best for them in their long range professional development and career planning.

The certificate in addictions counseling consists of 30 graduate semester credits.

Course Requirements

Core requirements consist of 15 credits with all students required to take the following five courses:

COUN 762	Drug and Alcohol Counseling
PSYC 775	Psychopharmacology
PSYC 609	Internship in Addictions*
PSYC 731	Addiction Treatment Delivery
PSYC 833	Advanced Techniques in Psychotherapy

Choose 5 of the following 8 courses for the additional 15 credits:

COUN 610	Appraisal, Assessment, & Evaluation
COUN 731	Group Counseling
COUN 732	Family Counseling
EDUC 507	Adv. Human Growth and Development
PSYC 502	Principles and Philosophy of Counseling
PSYC 734	Counseling Theory & Practice
PSYC 744	Psychodynamics of Psychopathology-DSM-IV-TR
PSYC 780	Legal and Ethical Issues in Counseling and Therapy

Total 30 credits

Frank Norton, Ph.D., ABPP
Department of Counseling

* PSYC 609 Internship in Addictions can be taken after the completion of at least 21 hours of Addiction Certificate Courses

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 278, 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, cultural competencies, prevention and intervention techniques, counseling, and practica. 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 in Maryland and 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 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 copy of your resume outlining professional work and/or volunteer experiences
5. A statement of interest including background information, goals, strengths, and reasons for pursuing graduate studies in this program.

Students are accepted in the program only once a year after the April 1 deadline.

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 and make decisions based on data.
8. To develop the ability of students to function as examiners who can evaluate psychological, educational, and social-emotional-behavioral functioning 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

While many of the courses are taught in the evening, occasionally courses will be taught during the day and on Saturdays. Candidates will be expected to complete field experiences during the day. 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 of selected courses 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.

*All Master's degree candidates must re-apply for admission to the CAS program.

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 – ESAS 513 or SPED 520.

One course in special topics or thesis (SPSY 800) – optional

**Candidates will be expected to retake a school psychology course (SPSY) if they obtain a grade of C or below for that course.*

Direct Intervention Project

All students are expected to complete a Direct Intervention Project during their internship year.

Field Experiences

SPSY 501 Lab: Students will be expected to shadow a school psychologist during the introductory class and spend four to six days in a regular school setting during this class. These experiences will be arranged by the instructor.

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. Students are expected to work two days a week in a school. This experience typically 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 practicum and passing the comprehensive exams. The 1200 clock hour internship is the culminating experience of the program and is typically 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.

<p>DEPARTMENT OF TEACHING, LEARNING AND PROFESSIONAL DEVELOPMENT Chair: Dr. Josephine Wilson</p>
<p>DEGREE OFFERED Master of Arts in Teaching</p>

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

The Master of Arts in Teaching (MAT) Degree is awarded to MAT Program participants who complete the prescribed program of studies in pedagogy and have an undergraduate degree from a institution of higher learning in arts and sciences or others that meet regional accreditation standards (ex: English, mathematics, science, social studies, others). The Program offers an alternative route to certification in the State of Maryland. The MAT Program's rigor is embedded in the preparation of highly qualified teachers who seek certification eligibility in content areas approved by the Maryland State Department of Education (MSDE).

The Bowie State University MAT Program is a Maryland Approved Program (MAP) through the MDSE and meets the National Council for Accreditation of Teacher Education (NCATE) standards. Additionally, participants must complete a comprehensive program of study with a collaborative cohort structure that supports a solid knowledge base in the teaching profession including: (1) a foundation in Cognitive Psychology to understand how people learn; (2) developmental psychology (early childhood to adolescence) to understand when students are ready to learn at various stages of mental and physical growth and maturity; (3) application and research on effective pedagogy to improve their teaching and raise their level of quality and effectiveness; (4) knowledge of contemporary issues in education to assist in making ethical decisions in the school setting; (5) curriculum development that relates to standards and technology that impact on society; and (6) action research skills to enhance methodology skills. Interns complete required courses in the methods of teaching, develop techniques for working with diverse populations that have special needs relative to variability (culture, learning, ethnicity, gender, age, SES, others), acquire knowledge for the application of technology in learning and teaching, and enhance their interpersonal communications skills while communicating positive dispositions.

Admission to the Program

To be admitted for the Graduate 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 an official 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 3.0 overall (GPA) on a 4.0 scale in the undergraduate courses
2. Passing scores on the PRAXIS I: Academic Assessment Tests
3. An interview (provide a resume or curriculum vitae, writing samples, three letters of recommendation packaged as part of an entrance portfolio) with the Department of Teaching, Learning and Professional Development
4. Students must sign a Letter of Intent (LOI) to register in the MAT Program and declare the area of certification eligibility sought.
5. A Bachelor's degree in preparation for eligibility in the areas below:
 - **Secondary Education Preparation (SCED)** – undergraduate degree in a content area as indicated above/or others at the discretion of the Department of Teaching, Learning and Professional Development.
 - **Elementary Education Preparation (ELED)** – interdisciplinary, undergraduate or a content area degree as indicated above and/or a minimum of six credits in mathematics, eight credits in science to include biology and a physical science, six credits in social studies to include US History, and six credits in English Composition with a minimum passing grade of “C” in each of the courses.
 - **Early Childhood Education Preparation (ECED) or (ECED/Special Education)** – interdisciplinary, undergraduate or a content area degree as indicated above and/or minimum of six credits in mathematics, four credits in science to include biology or a physical science, six credits in social studies to include US History, and six credits in English Composition with a minimum passing of ‘C’ in each

of the courses. In addition, students that seek ECED preparation must provide proof of a minimum of nine credits in Child Development, Parent and Family relations, and special education.

- **Others are considered on a case-by-case basis.**

If all of the above criteria are met, students can be admitted unconditionally.

Program Goals and Objectives of the Master of Arts in Teaching

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. Demonstrate appropriate techniques for integrating curriculum, technology and instructional methods.
4. Demonstrate skills related to effective planning.
5. Create appropriate learning environments.
6. Demonstrate effective teaching methods and best practices that address learning styles of a diverse population.
7. Demonstrate 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.
9. Demonstrate proficiency in a certifiable subject area; and
10. Demonstrate reflective (inter and intra personal) and professional practices, communication skills, and community collaboration culminating in an electronic portfolio.

Degree Requirements

Prior to admission all **Students** must pass **PRAXIS I**: Academic Achievement Tests or other qualifying tests approved by the MSDE. The student must decide upon a certifiable area identified by the Maryland State Department of Education (MSDE). All student transcripts are reviewed to determine the specific courses necessary to meet certification eligibility in a specific area based upon an evaluation from the MSDE. Students complete **core and professional courses**, a **150 hour practicum** and all **requirements** needed for certification eligibility. Upon completion, students advance to candidacy. Following candidacy status,

Candidates enroll in the Methods Courses, Supervised Internship Phase I and pass the comprehensive examination. After successfully completing the minimum twenty (20) day Supervised Internship I, the Intern prepares for PRAXIS II examination(s) in the certification area and enrolls in a seminar course to complete the Thesis or Seminar Paper. The candidate continuously may enroll in thesis advisement until completion of the Master's Thesis or Seminar Paper. Once the **Intern** passes the PRAXIS II examination(s) in the content and pedagogical area(s), completes Supervised Internship Phase II, (80 days) of the yearlong at a Professional Development School (PDS) or at a current teaching assignment at a school regionally accredited by the accreditation organization, the final portion of the program, meets all MAT Program and University requirements and is eligible for certification in an area recognized by the MSDE the Master of Arts in Teaching Degree is awarded.

Transfer Credits

Up to twelve (12) graduate credits may be transferred into the Master of Arts in Teaching Program. The courses for which transfer of credits is sought must have been completed with a grade of 'B' or better and must be content specific to courses outlined in the Program of Study. In addition, the MAT Program Coordinator must approve any transfer credits. Students must complete the MAT Program of Study within seven (7) years or file a Program Extension Form in the Graduate Studies Office, which must be approved by the Program Coordinator. However, transfer credits only can be viable for use to satisfy MAT Program requirements within the seven year period.

The Master of Arts in Teaching program consists of the following six (6) core courses:

EDUC	501	Learning and Teaching
EDUC	510	Tests and Measurements
SPED	511	Special Education Perspectives
EDUC	532	Classroom Practices and Procedures
EDUC	543	Curriculum and Technology
EDUC	544	Principles and Techniques of Reading Instruction

Total 18 Credits

One (1) Research and four (4) Professional Courses:

EDUC	601	Research Methods and Skills
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Internship I and Methods I (Only select one three credit course)

EDUC	704	Perspectives and Methods in Teaching II (Research Seminar)
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)

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 Education

Total 15 Credits

*This is a six (6) credit course.

Additional Reading Courses (Students must complete the prescribed courses at the master's level that meet MDSE certification requirements.)

EDUC	545	Reading in the Content Area (Secondary and Elementary Education)
EDUC	633	Children's Literature (Elementary and Early Childhood Education)
EDUC	646	Diagnostic and Prescriptive Techniques of Reading (Elementary and Early Childhood Education)

Others

Processes and Acquisition of Reading (Elementary and Early Childhood Education)

For more information, please contact:

Dr. Constance E. Brooks
Room 233P, Center for Learning & Technology
cebrooks@bowiestate.edu
(301) 860-3133

**DEPARTMENT OF TEACHING, LEARNING AND PROFESSIONAL
DEVELOPMENT**

Chair: Dr. Josephine Wilson

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	534	Advanced Teaching of Language Arts
EDUC	536	Advanced Teaching of Arithmetic
EDUC	538/535	Elementary School Science/Social Studies
EDUC	543	Curriculum & Technology (no pre-requisite for M.Ed Majors)
EDUC	545	Reading in the Content Area
EDUC	706	Introduction to Research
EDUC	836	Seminar in Elementary Education

Total **24 Credits**

Note: Select two (2) Electives from the following related areas and for Course substitutions (if needed)

EDUC	501	Learning and Teaching
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EDUC	507	Advanced Human Growth and Development
EDUC	513	Curriculum Changes and Instructional Methods
EDUC	531	School Curriculum Development
EDUC	532	Classroom Practices and Procedures
EDUC	544	Principles and Techniques of Reading Instruction
EDUC	553	Teaching Reading to Multicultural Populations
EDUC	633	Literature for Children
EDUC	647	Contemporary Issues in Reading
SPED	511	Special Education Perspectives
SPED	502	Mat, Science & Social Studies
PSYC	603	Mental Hygiene of Children and Youth

Candidates must obtain permission from their Advisor before making course curriculum decisions.

**DEPARTMENT OF TEACHING, LEARNING AND PROFESSIONAL
DEVELOPMENT**

Chair: Dr. Josephine Wilson

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 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. Working with parents and paraprofessionals.

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 that 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.

<p style="text-align: center;">DEPARTMENT OF TEACHING, LEARNING AND PROFESSIONAL DEVELOPMENT Chair: Dr. Josephine Wilson</p>
<p style="text-align: center;">DEGREE OFFERED</p> <p style="text-align: center;">Master of Education in Secondary Education</p>

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 840 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	731	School Curriculum Development
EDUC	727	School Law
Two (2) Electives		
EDUC	840	Seminar in Secondary Education

Total **33 Credits**

II. Curriculum Specialist

EDUC	501	Learning and Teaching
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EDUC 505 Recent Issues in Education
EDUC 706 Introduction to Research
EDUC 513 Curriculum Change and Instructional Methods

EDUC 731 School Curriculum Development
EDUC 522 School Administration
EDUC 727 School Law
EDUC 539 Curriculum Materials and Appraisal
EDUC 840 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 731 School Curriculum Development
EDUC 840 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 727 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: Dr. Josephine Wilson

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, Collaborative Practitioner, 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 students can achieve. Graduate teacher candidates learn how assessment drives instruction and the importance of data-based decision making.

The program is designed to produce teachers who understand the purpose of education as well as the developmental aspects of learning. Another major program emphasis is placed on preparing teacher candidates to perform skillful and continuous monitoring of students' learning.

The program further provides the candidate with a foundation for the teaching and management of students with disabilities based on current knowledge, research, and practice in the field. Action research is emphasized to document the efficacy of teaching methodology. The candidate is expected to demonstrate an understanding of students with disabilities relative to their cultural, emotional, social, academic, cognitive, transitional, and physical needs. Candidates become proficient in the use of computer technology, and application of behavior management techniques. As an extension of the inclusion model, candidates 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 students 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.

Degree Requirements

All prospective graduate special education candidates 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 required to pass Praxis I as an entrance requirement and Praxis II as an exit requirement. A program of study is also required and must be completed by a University assigned advisor with appropriate signatures prior to the candidate taking any courses.**

Program of Study

SPED	511	Special Education Perspectives
SPED	545	Computers and Technology in Special Education
SPED	522	Behavioral Intervention and Classroom Management
SPED	520	Instructional Methods and Curriculum Planning
SPED	649	Partnerships and Lifestyles
SPED	615	Practicum I in Special Education
SPED	602	Math, Science and Social Studies Curriculum
SPED	626	Language and Reading Development
SPED	629	Interdisciplinary Team: Assessment, Communication, and Intervention
EDUC	706	Introduction to Research
SPED	730	Seminar in Special Education
SPED	716	Practicum II in Special Education
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. Winona Taylor
DEGREE OFFERED
Master of Education in School Administration and Supervision

DEPARTMENT OVERVIEW

The Department of Educational Leadership offers the Master of Education Degree in School Administration and Supervision, the Doctor of Education in Educational Leadership and an Administrator I Certification Program. The programs integrate the Maryland State Department of Education Standards and the Interstate School Leadership Licensure Consortium Standards (ISLLC). 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. Warna Gillies

Room 270, 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. Winona Taylor
DEGREE OFFERED
Doctorate of Education in Educational Leadership

Graduate Program Coordinator:

Dr. Marsha Mims-Word

Room 222, 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 Educational 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 Educational 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 Educational 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 Studies and Leadership or from the Office of Graduate Admission.

Doctoral Courses

EDAD	801	Philosophy and Historical Foundations of Urban Education
EDAD	810	Descriptive and Inferential Statistics in Education
EDAD	815	Educational Planning and Evaluation
EDAD	820	Human Resource Development and Administration
EDAD	825	Advanced School Law
EDAD	830	Educational Government and Political Studies
EDAD	835	Research Designs and Methods
EDAD	840	Leadership with Technology in a Global Information Age
EDAD	845	Managing Financial Resources in Urban Education
EDAD	850	Interdisciplinary Seminar
EDAD	900	Dissertation I
EDAD	910	Applied Research Seminar
EDAD	920	Externship in Educational Leadership
EDAD	925	Externship in Educational Leadership
EDAD	950	Dissertation II
EDAD	951	Dissertation Advisement

Electives/Concentration (Four Courses)

12 credits

COLLEGE OF PROFESSIONAL STUDIES

Dr. Antoinette Coleman, Dean

Welcome to the College of Professional Studies at Bowie State University. Today, individuals work in many different professional fields and at various career levels that require in-depth knowledge and skills. Successful professionals understand that such learning is a career-long process that is needed to remain progressive and competitive in the workplace. The College of Professional Studies (CPS) offers graduate academic programs that prepare students for the unique demands of the rapidly growing and diverse global labor market.

The College of Professional Studies is quite diverse in its offerings and provides outstanding graduate educational opportunity. The graduate programs within the college integrate theory and application specific to each professional graduate discipline. The learning process is achieved through classroom study, online and web-enhanced courses, internships, and clinical practice and practicum.

Drawing on a rich faculty with expertise in their respective disciplines, the college is comprised of four academic departments and two graduate programs – Master of Science in Nursing and Master of Arts in Human Resource Development. Because the college places a strong emphasis on both academic and practical experiences, it is attractive to students who are new to a professional academic field of study, continuing students searching for a career-oriented education path, or professionals desiring to advance their knowledge and skills. The graduate programs in the College of Professional Studies provide well-rounded and customized programs to prepare students advance employment opportunities. In addition, graduates receiving the Master of Science in Nursing or Master of Arts in Human Resource Development Degree obtain jobs in diverse setting in their field of study.

Thank you for taking the time to explore the exciting graduate professional careers that await you in the Bowie State University College of Professional Studies. Feel free to contact us and let us know how we can best serve your academic needs.

DEPARTMENT OF BEHAVIORAL SCIENCES and HUMAN SERVICES

Chair: Dr. D. Elliott Parris

DEGREE OFFERED

Master of Arts in Human Resource Development

Graduate Program Coordinator:

Dr. Marsha E. 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 in 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 Resource Development 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.

The HRD curriculum is designed to meet industries general and specific goals in the development and management of individuals and organizations. Our established course applications are used by private and public entities of all sizes. We develop your specific competencies to 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. Lecture and experiential learning applications are combined and based upon appropriate concepts that allow the individual to powerfully apply in practical situations. For individuals who are interested in starting their own business 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.

HRD's proven 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, project management, mediation and conflict resolution, 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. For a traditional experience, students 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 hybrid courses are available. Courses are scheduled weekly with two eight-week sessions per semester. Students 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 requirement.

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 2.75 or better (on a 4.0 scale).

- a. Applicants with a cumulative grade point average between 2.5 and 2.74 may be granted conditional admission. Conditional admission will be removed with the attainment of a cumulative grade point average of 3.25 or better after completion of the first nine graduate credit hours.
- b. GPA Exceptions. In cases where an applicant is returning to school with varied professional experience and does not meet the GPA standard, the applicant should appeal to the HRD graduate committee for admission consideration.

Degree Requirements

The program requires:

- a total of 39 semester hours which includes:
 - 10 core courses and 3 electives;
 - a non-thesis option seminar (topical) paper; and
- a written comprehensive examination.

Transfer Graduate Credits

Applicants may transfer up to six (6) credit hours from an accredited institution. Up to nine (9) credit hours may be accepted if the student is transferring earned credits from an HRD program or related field of study from an accredited institution. Only courses of a "B" or better may be considered for transfer.

Program of Study

All candidates are required to meet with an assigned HRD advisor to complete a Program of Study during the first semester of enrollment. The program of study tracks the student's selection of core and elective courses and is required for advancement to candidacy.

Candidates who desire to customize their plan of student to incorporate alternative elective courses from other concentrated program areas should consult with their academic advisor upon acceptance into the program.

Advancement to Candidacy

Upon completion of twelve (12) to fifteen (15) hours of coursework, the student should apply for advancement to candidacy. These credits should be taken at Bowie State University and count towards the graduate degree. The minimum GPA for Advancement to Candidacy is 3.25. Candidates for the Master of Arts in HRD who fail to meet the minimum GPA will be denied Advancement to Candidacy.

Standard of Academic Performance

Candidates for a Master of Arts in Human Resource Development must maintain a 3.0 or better to remain in good academic standing. Candidates falling below the minimum level of performance will be placed on academic probation and be required to meet with an academic advisor to plan a course of action to restore the required performance standard. A candidate on probation will not be allowed to take the Comprehensive Examination.

Comprehensive Examination and Review

To qualify to take the Comprehensive Examination, a candidate must have completed at least 24 hours of coursework that include HURD 601, 690, 730, 732, 741, 764, 765, and 806 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 Program Coordinator, be allowed to take the comprehensive examination during the same semester. Candidates are strongly encouraged to take the comprehensive examination after the completion of the six core courses (training, consulting, organizational behavior, adult learning, organization development and research) covered by the examination and *at least one semester prior to the date they expect to graduate*. The HRD faculty offers a comprehensive examination orientation with weekly review sessions prior to the examination.

Course Registration

HRD program offers two eight-week sessions per fall and spring semesters and early registration is recommended for all courses as class sizes are limited. Some classes may be cancelled up to 48 hours prior if there is insufficient enrollment. Candidates accepted into the program are encouraged to register simultaneously in courses offered in both eight-week sessions. Candidates (admitted without conditions) may take up to 4 courses per semester.

Sample Full Time Schedule Sequence—Accelerated Program

(Full time students can complete the program within a 12-15 month calendar schedule – A total of ten courses and three electives [E])

Summer (Select Four Courses)		Fall (Select Four Courses)		Winter (Select One Course)	Spring (Select Four Courses)	
1 st Session	2nd Session	1 st Session	2nd Session		1 st Session	2nd Session
HURD 608 [E]	HURD 748 [E]	HURD 601	HURD 690	HURD 766	HURD 765***	HURD 730
HURD 656 [E]	HURD 690	HURD 732	HURD 741	HURD 608 [E]	HURD 880	HURD 736
	HURD 700* [E]	HURD 764	HURD 806**		HURD 720 [E]	HURD 668
This is a <u>sample schedule only</u>. Candidates are encouraged to consult with an advisor before registering to complete a suitable plan of study to accommodate your entry date and matriculation timeline.						

*HURD 700 provides a 3 credit two-week International HRD practicum experience. Candidates 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. Other special topics include: Mediation and Conflict Resolution

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

***HURD 765 is offered in the spring semester only in a 16-week format. Candidates must successfully complete the prerequisite course HURD 764 prior to enrolling—with permission from the instructor.

HRD Required Courses

Course Number	Course Title
HURD 601	Introduction to Human Resource Development
HURD 690	Fundamentals of Adult Education
HURD 730	Consulting in HRD
HURD 732	Organizational Behavior & Small Group Dynamics
HURD 736	Practicum in HRD
HURD 741	Organization Development
HURD 764	Training I - Process & Practice (Offered in spring semester)
HURD 765	Training II - Process & Practice (Offered in fall semester)
HURD 806	Research & Analysis, Interpretation, & Proposal Writing
HURD 880	Integrative Seminar (Pre-requisite: completion of 30 hours)
HURD 799	Qualifying/Comprehensive Exam

HRD Electives

Course Number	Course Title
HURD 608	Career Development & Occupational Assessment
HURD 620	Principles of Management/HRD
HURD 656	Technology Use in HRD
HURD 668	Skilled Facilitation and Presentation in HRD
HURD 700	Special Topics - International Experience in HRD
HURD 700	Special Topics - Mediation and Conflict Management
HURD 748	Leadership Development
HURD 766	Compensation and Benefits
HURD 774	HRD - A Strategic Approach
HURD 783	Fundamentals of Project Management
HURD 881	Research Advisement*

*HURD 881 does not count toward the required 39 credit hours.

**HUMAN RESOURCE DEVELOPMENT
PROJECT MANAGEMENT CERTIFICATE PROGRAM**

The Human Resource Development Program's Certificate in Project Management will prepare students to function as project management professionals (PMPs) and will lead to certification by the Project Management Institute. In keeping with Bowie State University's mission of preparing professional practitioners and scholars who are competent to serve various populations in the application of project management interventions, the Project Management Certificate Program (PMCP) will promote diverse opportunities through its course offerings and theoretical and applied orientations for the purpose of increasing organizational productivity outcomes. The program will (1) provide the opportunity for students to gain knowledge and skills required for effectively managing different types of projects and (2) offer a strong foundation in project management, strategic assessment, humanistic applications, planning and control, intervention techniques, organizational consultation processes and practica in a variety of settings. Additionally, PMCP will be linked to the suppositions and principles associated with human resource development functions including: learning, performance improvement, organizational development, and change management and will be applied in diverse settings and organizations.

ADMISSION REQUIREMENTS FOR THE PROJECT MANAGEMENT GRADUATE CERTIFICATE PROGRAM

This certificate program is designed to provide the student with those specific skills necessary to function as a project management practitioner. To enter the Graduate Certificate in Project Management Programs (GCPM), applicants must hold a baccalaureate degree from a regionally accredited institution in behavioral sciences, human services, management, or a related field.

- Applicants will be expected to meet general admission requirements established by the graduate school.
- Applicants are not required to be enrolled into the Human Resource Development Master's program for entry acceptance.
- Applicants must complete 12 semester hours to receive a Certificate of Graduate Studies in Project Management

If a student is currently PMP Certified, each course will provide 15 Professional Development Units towards the 60 required for PMP Re-certification to include non-degree seeking students.

Courses will be offered during fall, spring, and summer semesters. All courses are four (4) weeks in length, offered on Monday and Wednesday, from 6:00 pm – 10:00 pm, and one (1) Saturday during the 4week period from 9:00am – 5:00pm.

Project Management Concentration

Course Number	Course Title
HURD 785	The Human Development Side of Project Leadership
HURD 787	Strategic Viewpoints on Project Management
HURD 789	Advanced Project Management in HRD
HURD 797	Project Planning & Control Concepts

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

Family Nurse Practitioner (Master of Science in Nursing)

Graduate Program Coordinator:
 Dr. Elaine Ridgeway
 Room 214, Center for Learning and Technology

Nurse Educator (Master of Science in Nursing)

Graduate Program Contact:
 Dr. Bonita Jenkins
 Room 218, Center for Learning and Technology

The Master of Science in Nursing program prepares professional nurses for advanced practice roles, nurse educator roles, and doctoral study. Graduate education provides the learner with opportunities to develop expertise and specialized knowledge in the care of clients and populations, as well as advanced knowledge in nursing education. The graduate program is organized using core, supporting, and specialty content. Graduate nursing education incorporates evidence-based practice that enables nurses to participate in health promotion and disease prevention, health management, education, research, and health policy analysis. Emphasis is on the health care needs of vulnerable and underserved populations. Advanced practice nursing roles include nurse practitioners, clinical nurse specialists, nurse administrators, and nurse educators. We believe that the advanced practice nursing roles are integral to meeting the current and future health needs of society.

Family Nurse Practitioner program includes over 600 hours of practicum experience; graduates of the program are eligible to take national certification examinations for the family nurse practitioner.

Nurse Educator program prepares the graduate for nursing education roles in the clinical and academic areas. After two years of fulltime faculty experience, graduates of the nursing educator program will be eligible to take the National League for Nursing (NLN) examination for the certified nurse educator.

The Master of Science in Nursing program is accredited by the National League for Nursing Accrediting Commission.

National League for Nursing Accrediting Commission

3343 Peachtree Road N.E. Suite 500

Atlanta, Ga. 30326

Telephone:

800-669-1656

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 to:

- 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 practice nursing that is designed to promote the health and wellness in clients, across the lifespan, and the application of methodologies in nursing education.
2. Utilize theory from nursing science and related disciplines to design, implement, and evaluate intervention strategies in advanced practice nursing roles.
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 in nursing education, and in clinical practice to improve the quality of health 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

- Candidates must have a Bachelor of Science degree in nursing (BS) from an accredited institution.
- Candidates must have a cumulative grade point average (GPA) of 2.75 or higher on a 4.0 scale. Graduates of baccalaureate degree programs in countries other than the United States must have their

baccalaureate degree transcripts evaluated by the Educational Credential Evaluators, Inc. organization www.ece.org or the Commission on Graduates of Foreign Nurse Schools (CGFNS). A copy of this evaluation must be submitted with the application to the program.

- Candidates must possess current RN licensure in the State of Maryland.
- Candidates must have a minimum of one year of professional nursing experience in an acute care setting prior to admission to the Family Nurse Practitioner role courses. It is also recommended that students have a recent course in health assessment and pathophysiology.
- Applicants must be granted general admission to Bowie State University (BSU) School of Graduate Studies.
- 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/academics/departments/nursing.*

The documents listed below must be submitted with the Graduate Nursing application. The completed packet must be submitted to the Department of Nursing by April 1 (fall admission). Candidates must submit official academic transcripts from each institution attended.

- Candidates must submit three (3) professional recommendations. Recommendations from an immediate supervisor and two professional colleagues are required. Recommendation forms are included with the nursing application and located on the Department of Nursing webpage.
- One copy of each of the following:
 - Current Maryland RN licensure verification
 - Current CPR certification
- A personal statement of goals and objectives for pursuing graduate nursing study (150-200 words, typed and double-spaced)
- A completed physical examination/health history (Form provided in application)
- Current professional resume
- Student profile sheet (Form provided in application)

PROGRAM OF STUDY – MASTER OF SCIENCE IN NURSING

NURS 799** Comprehensive Exam

CORE COURSES

NURS 502 Conceptual and Theoretical Foundations for Advanced Practice Nursing (4)

NURS 509 Research in Nursing I (4)

NURS 730 Seminar in Critical Issues for Advanced Practice Nursing (3)

SUPPORTING COURSES

NURS 604 Epidemiology (3)

NURS 607 Advanced Health Assessment (4)

NURS 608 Pharmacotherapeutics (3)

NURS 610 Advanced Pathophysiology (3)

NURS 621 Specialty in Advanced Practice Nursing (3)*

INSS 658 Health Informatics (3)

ROLE COURSES

Family Nurse Practitioner

NURS 712-713 Primary Care I: Adult Clients (5)*

NURS 714-715 Primary Care II: Women’s Health, Obstetric and Pediatric Clients (8)*

NURS 716-717 Primary Care III: Older Adult Clients (4)*

NURS 718-719 Primary Care IV: Family Nurse Practitioner Role and Seminar (5)*

Nursing Education

NURS 620 Nurse Educator Role (3)

NURS 622 Curriculum Design in Nursing Education (3)

NURS 624 Technology in Nursing Education (3)

NURS 626 Instructional Strategies and Evaluation (3)

NURS 628 Teaching Practicum (3)*

*Courses include a practicum component

** Program requirement

One Elective course is required of Nurse Educator Role

There is a program of study for each specific track.

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. *These credits must be taken at Bowie State University and count toward the degree.*
- Successful completion of all coursework and degree requirements within a period of five consecutive years.
- Successful completion of the Comprehensive Examination.
- A grade point average of 3.0 must be maintained, after Advancement to Candidacy.

Graduate Course Descriptions

Accounting

ACCT 510 FINANCIAL ACCOUNTING

Prerequisites: None

Credits: 3

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

Former course number 511 *Prerequisites:* None

Credits: 3

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

Former course number 516 *Prerequisites:* None

Credits: 3

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

Former course number 613 *Prerequisites:* None

Credits: 3

The course focuses on the current accounting issues associated with multinational 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

Former course number 615 *Prerequisites:* None

Credits: 3

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

Former course number 618 *Prerequisites:* None *Credits:* 3

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

Former course number 619 *Prerequisites:* None *Credits:* 3

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**

(This course has been renumbered COSC 503.)

COSC 502 COMPUTER ORGANIZATION

Prerequisites: Graduate Status

Credits: 3

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 503 SOFTWARE DESIGN AND DEVELOPMENT I

Former course number: 404 *Prerequisites:* Graduate Status *Credits:* 3

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 504 SOFTWARE DESIGN AND DEVELOPMENT II

Prerequisites: COSC 503 or equivalent or consent of instructor *Credits:* 3

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 514 OPERATING SYSTEMS I

Prerequisites: COSC 502 and COSC 504

Credits: 3

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

Prerequisites: COSC 502

Credits: 3

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

Prerequisites: Graduate status

Credits: 3

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

Prerequisites: COSC 502 and COSC 504

Credits: 3

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

Prerequisites: Graduate Status

Credits: 3

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

Prerequisites: COSC 522

Credits: 3

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

Prerequisites: COSC 504 and COSC 522

Credits: 3

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 531 DATABASE DESIGN

Prerequisites: COSC 504

Credits: 3

Introduction to database design and database 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 database systems and query languages.

COSC 541 NUMERICAL ANALYSIS I

Prerequisites: Graduate status

Credits: 3

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 545 SOFTWARE SECURITY

Prerequisites: None

Credits: 3

This course teaches principles and practice of secure coding. It provides a sound theoretical background, as well as hands-on experiences through the examination of security resources and standard practices in a specific programming language, such as Java or C++. Programming security, operating systems security are examples of some of the topics that will be covered.

COSC 551 FORMAL METHODS IN PROGRAMMING LANGUAGES

Prerequisites: COSC 504

Credits: 3

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 554 DESIGN OF EMBEDDED SYSTEMS

Prerequisites: COSC 502

Credits: 3

This course presents the basic material required to design and implement embedded systems. Topics covered include single-purpose processors, general-purpose processors, peripheral control, memory use, device interfacing, state machine and concurrent process models, control systems, IC technology, and design technology.

COSC 561 COMPILER DESIGN AND CONSTRUCTION I

Prerequisites: COSC 504

Credits: 3

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 565 SOFTWARE ENGINEERING I

Prerequisites: COSC 503 or equivalent

Credits: 3

This course introduces the student to major topics in software engineering such as: requirements specification, analysis and design, testing, project management, and implementation. Additional topics such as software life cycle models, the Unified Modeling Language (UML), agile software development techniques, configuration management, change control, and project documentation will be discussed.

COSC 573 ARTIFICIAL INTELLIGENCE I

Prerequisites: COSC 528

Credits: 3

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

Prerequisites: COSC 504

Credits: 3

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. Advanced topics such as frameworks, components, etc. will be covered.

COSC 585 COMPUTER COMMUNICATION NETWORKS I

Prerequisites: COSC 504

Credits: 3

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

Prerequisites: Consent of instructor

Credits: 3

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

COSC 591 SELECTED TOPICS IN COMPUTER SCIENCE

Prerequisites: Consent of instructor

Credits: 3

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

COSC 592 SELECTED TOPICS IN COMPUTER SCIENCE

Prerequisites: Consent of instructor

Credits: 3

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

COSC 614 OPERATING SYSTEMS II

Prerequisites: COSC 514

Credits: 3

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

Prerequisites: COSC 514 and COSC 516

Credits: 3

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

Prerequisites: COSC 518 and COSC 528

Credits: 3

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 II

Prerequisites: COSC 523

Credits: 3

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 DATABASE AND INFORMATION SYSTEMS II

Prerequisites: COSC 531

Credits: 3

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

Prerequisites: COSC 504

Credits: 3

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

Prerequisites: COSC 541

Credits: 3

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 645 APPLIED CRYPTOGRAPHY

Prerequisites: COSC 535

Credits: 3

This course teaches students some of the basic paradigms and principles of modern cryptography and their applications. After mathematical preliminaries from algebra and number theory, we will explore the following topics in the field: foundations of cryptography, public key cryptography, pseudorandom generators, elliptic curve cryptography, and fundamental limits to information operations.

COSC 661 COMPILER DESIGN AND CONSTRUCTION II

Prerequisites: COSC 561

Credits: 3

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 665 SOFTWARE ENGINEERING II

Prerequisites: COSC 565

Credits: 3

The course will cover software life-cycle models and different phases of the software development process. Object-oriented techniques are applicable. Students will have a group project on developing complex software systems.

COSC 673 ARTIFICIAL INTELLIGENCE II

Prerequisites: COSC 573

Credits: 3

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

Prerequisites: COSC 522

Credits: 3

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

Prerequisites: COSC 504 and COSC 522

Credits: 3

The development of queueing 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 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 SIMULATION

Prerequisites: COSC 504 and COSC 522

Credits: 3

A study of the construction of models that simulate real systems. The methodology of solution includes probability and distribution theory, statistical estimation and inference, the use of random variables, and validation procedures. A simulation language is used for the solution of typical problems.

COSC 685 COMPUTER COMMUNICATION NETWORKS II

Prerequisites: COSC 514 and COSC 585

Credits: 3

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

Prerequisites: COSC 514 and COSC 585

Credits: 3

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 database management, interoperable information systems, and distributed artificial intelligence.

COSC 690 SELECTED TOPICS IN COMPUTER SCIENCE

Prerequisites: Consent of Instructor

Credits: 3

Presentation of advanced topics reflecting state-of-the-art developments in computer science

COSC 691 SELECTED TOPICS IN COMPUTER SCIENCE

Prerequisites: Consent of Instructor

Credits: 3

Presentation of advanced topics reflecting state-of-the-art developments in computer science

COSC 692 SELECTED TOPICS IN COMPUTER SCIENCE

Prerequisites: Consent of Instructor

Credits: 3

Presentation of advanced topics reflecting state-of-the-art developments in computer science.

COSC 696 MASTER'S THESIS IN COMPUTER SCIENCE I

Prerequisites: A minimum of 18 Graduate Credits in COSC

Credits: 3

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

Prerequisites: A minimum of 18 Graduate Credits in COSC

Credits: 3

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

Prerequisites: A minimum of 27 Graduate Credits in COSC

Credits: 3

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.

COSC 719 IMAGE PROCESSING I

Prerequisites: COSC 504

Credits: 3

This course is an introduction to Computer Vision and Image Processing fundamentals, human visual system, image resolution, binary images, gray scale images, multispectral images, digital image formats, preprocessing, image algebra, spatial filters, image enhancement, edge detection, segmentation, feature extraction etc. Additional topics include discrete transforms and image compression techniques.

COSC 729 VIRTUAL REALITY AND ITS APPLICATIONS

Prerequisites: COSC 504 or permission of instructor

Credits: 3

The goal of this course is to introduce students to Virtual Reality (VR) hardware, software, and provide an opportunity for them to apply this knowledge to applications for education and games. This course applies cutting-edge virtual reality technology currently available in academia and industry. Students will design, model, and script the VR environment by developing a complete VR application as a group project.

COSC 735 ADVANCED WIRELESS SECURITY

Prerequisites: COSC 535

Credits: 3

This course covers wireless networking security at the graduate level. Students will achieve a solid understanding of wireless networking, security issues in wireless networks and how to mitigate the associated risks. At the completion of the course, students will have a thorough understanding of how to better secure various networks such as, ad hoc wireless networks, sensor networks and mobile wireless networks.

COSC 819 IMAGE PROCESSING II

Prerequisites: COSC 719

Credits: 3

This course is a study in the analysis of data stored as images. Image and video data processing has emerged as a major study area in computer science. Topics include color image processing, compression techniques, wavelet and multi resolution processing, image segmentation, and object recognition and tracking.

COSC 831 ADVANCED DATA WAREHOUSING AND DATA MINING*Prerequisites: COSC 531**Credits: 3*

This course covers the fundamentals of data warehousing architecture and issues involving planning, constructing and maintaining a data warehouse. The course introduces the concept of data mining and how it relates to data warehousing. The specific topics covered include the logical design of a data warehouse, data staging area and extract-transform-load processing. The course discusses multi-dimensional analysis using OLAP techniques, and coverage of knowledge discovery processing including common data modeling techniques

COSC 871 NUMERICAL OPTIMIZATION*Prerequisites: COSC 541**Credits: 3*

Study of linear and non-linear programming focusing on the implementation and analysis of algorithms. Numerical aspects such as propagation of errors and the control of errors will be covered. Topics such as genetic algorithms and simulated annealing will be included as global optimization techniques.

COSC 887 HIGH PERFORMANCE COMPUTING*Prerequisites: Graduate standing**Credits: 3*

This course explores the architectural classifications and taxonomies of parallel machines. Topics include enabling technologies including advanced processor concepts, interconnection networks, parallel performance and scalability. An introduction to parallel algorithms and programming models will be studied.

COSC 890 – 899 SELECTED TOPICS IN COMPUTER SCIENCE*Prerequisites: Satisfactory completion of comprehensive examination**Credits: 3*

These courses are seminar courses which require students to research topics of their choosing. This research should adequately demonstrate the students' proficiency in the subject material. At the end of the semester the students are required to write a report of their study/findings and make a seminar presentation.

COSC 900 – 909 DISSERTATION*Prerequisites: Satisfactory completion of comprehensive examination**Credits: 1-9*

These courses require students to perform research and document the results leading to the development of a dissertation. The research should include focused study of the problem, development of algorithms (or methodology), implementation and analysis. The students work with the research advisor in topics of their choosing in the broad area of computer science.

Counseling

COUN 608 CAREER COUNSELING AND DEVELOPMENT

Former course number 508 *Prerequisites:* None *Credits:* 3

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

Former course number 510 *Prerequisites:* None *Credits:* 3

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

Former course number 512 *Prerequisites:* None *Credits:* 3

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

Former course number 513 *Prerequisites:* None *Credits:* 3

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

Former course number 533 Prerequisites: None Credits: 3

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 702 INTRODUCTION TO SCHOOL COUNSELING

Former course number 502 Prerequisites: None Credits: 3

The basic concepts of quantifying behavior; validity, reliability, norms and methods of expressing test scores statistically are reviewed. 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 705 ELEMENTARY SCHOOL COUNSELING

Former course number 505 Prerequisites: None Credits: 3

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

Former course number 509 Prerequisites: None Credits: 3

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

Former course number 531 Prerequisites: 9 to 12 hours in the field, including PSYC 502 and 534 Credits: 3

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

Former course number 532 Prerequisites: None Credits: 3

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

Former course number 535 Prerequisites: PSYC 502; 530 or 534; 508 and EDUC 510 or COUN 510 Credits: 3

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

Former course number 547 Prerequisites: PSYC 531 Credits: 3

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

Former course number 555 Prerequisites: None Credits: 3

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

Former course number 562 Prerequisites: None Credits: 3

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 799 SCHOOL COUNSELING COMPREHENSIVE EXAMINATION

Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades Credits: 0

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

COUN 801 RESEARCH ADVISMENT

Former course number 601 Prerequisites: None Credits: 1

School Counseling students should register for this one credit class when they have been unable to complete the seminar paper in one semester. With special permission of the instructor, a student can take COUN 801 to start the paper one semester before registering for COUN 861 if they have passed the Comprehensive Exam.

COUN 805 INTERNSHIP ADVISEMENT

Former course number 605 Prerequisites: None Credits: 1

School Counseling students should register for this one credit class when they have not completed internship during the semester they have registered for it. This course provides supervision while a student is completing the required field experience.

COUN 836 PRACTICUM IN SCHOOL COUNSELING

Former course number 536 Prerequisites: 24 hours in the program, including PSYC 502; 603; 529; 530 Credits: 3

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

Former course number 540 Prerequisites: None Credits: 3

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

Former course number 543 *Prerequisites:* None *Credits:* 3

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

Former course number 552 *Prerequisites:* Group Counseling I or equivalent *Credits:* 3

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 socioteological 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 SCHOOL COUNSELING

Former course number 561 *Prerequisites:* Successful completion of the Graduate Comprehensive *Credits:* 3

This course is designed to give the student guidance and practice in the preparation and writing of the research paper in the area of School 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

Prerequisites: None *Credits:* 3

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)

Prerequisites: None

Credits: 3

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

Former course number 710 Prerequisites: None Credits: 3

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 INFERENTIAL STATISTICS IN EDUCATION

Former course number 701 Prerequisites: None Credits: 3

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

Former course number 711 Prerequisites: None Credits: 3

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

Former course number 715 Prerequisites: None Credits: 3

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

Former course number 712 Prerequisites: None Credits: 4

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

Former course number 713 Prerequisites: None Credits: 3

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

Former course number 702 Prerequisites: EDAD 810 Credits: 3

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

Former course number 716 Prerequisites: None Credits: 3

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

Former course number 714 Prerequisites: None Credits: 3

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

Former course number 761 Prerequisites: None Credits: 3

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 899 EDUCATIONAL LEADERSHIP COMPREHENSIVE EXAMINATION

Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades Credits: 0

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

EDAD 900

Former course number 769 Prerequisites: None Credits: 3

EDAD 910 APPLIED RESEARCH SEMINAR

Former course number 703 Prerequisites: EDAD 810 and EDAD 835 Credits: 3

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

Former course number 741 Prerequisites: Completion of all required courses except 950 and Passing the Comprehensive Examination Credits: 3

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

Former course number 742 Prerequisites: Completion of all required courses except Dissertation II and Passing the Comprehensive Examination

Credits: 3

The major focus of this internship will be on Leadership in Organizations. It will focus on those in Educational 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

Former course number 770 Prerequisites: Completion of all course requirements, including electives, and the Passing of the Comprehensive Examination Credits: 3

EDAD 951 DISSERTATION ADVISEMENTS

Former course number 771 Prerequisites: Completion of all program requirements, except the Dissertation and Oral Defense Credits: 0

Education

EDUC 501 LEARNING AND TEACHING

Prerequisites: None

Credits: 3

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 503 STATISTICAL METHODS IN EDUCATION

Prerequisites: None

Credits: 3

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 505 RECENT ISSUES IN EDUCATION

Prerequisites: None

Credits: 3

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 507 HUMAN GROWTH AND DEVELOPMENT (ADVANCED)

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

Distinguishing performance and achievement behaviors of students is the focus of this course. The basic concepts of quantifying behavior; validity, reliability, norms, and methods of expressing performance and achievement scores statistically are reviewed. The course emphasizes standardized and non-standardized instruments, methods of communicating test results, and instructional planning. In addition, candidates learn to disaggregate standardized test data to align classroom instruction, curriculum, assessment, and learning activities. Students explore statistical packages to test the significance of data

EDUC 511 CULTURAL DEPRIVATION AND EDUCATION

Prerequisites: None

Credits: 3

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

Former course number 512 Prerequisites: None Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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 INTERDISCIPLINARY APPROACH

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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 526 TECHNOLOGY IN EDUCATION

Prerequisites: None

Credits: 3

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 528 TEACHER - SCHOOL BOARD RELATIONSHIPS

Prerequisites: None

Credit: 3

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

Prerequisites: None

Credit: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None Credits: 3

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 ELEMENTARY SCHOOL

Prerequisites: None Credits: 3

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

Prerequisites: None Credits: 3

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

Prerequisites: None Credits: 3

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

Prerequisites: None Credits: 3

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, multi-media technologies, 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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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 SCHOOL SAFETY EDUCATION

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credit: 3

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

EDUC 600 THESIS

Prerequisites: None

Credit: 3-6

Thesis for Plan II degree candidates only.

EDUC 601 RESEARCH METHODS AND SKILLS

Prerequisites: 500 Level Core Courses

Credits: 3

Research Methods and Skills is a course designed to provide the graduate student with a knowledge of the various kinds of behavioral research and data analysis via various statistical packages. It is Web enhanced. It will focus on various research design methods and hypotheses testing relevant to educational action research appropriate to behavioral sciences.

EDUC 602 RESEARCH, ASSESSMENT, AND TECHNOLOGY

Prerequisites: None

Credits: 3

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 633 LITERATURE FOR CHILDREN

Former course number 533 Prerequisites: None

Credits: 3

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

Former course number 546 *Prerequisites:* EDUC 544, EDUC 645, EDUC 534 *Credits:* 3

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

Former course number 547 *Prerequisites:* EDUC 646 *Credits:* 3

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

Former course number 550 *Prerequisites:* None *Credits:* 3

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

Former course number 553 *Prerequisites:* None *Credits:* 3

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

Former course number 545 *Prerequisites:* None *Credits:* 3

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 RESEARCH ADVISEMENT

Former course number 601 *Prerequisites:* None *Credits:* 1

Research for those students needing advisement to complete seminar papers and remove "incompletes" in their Seminar course.

EDUC 704 PERSPECTIVES AND METHODS IN TEACHING READING

Prerequisites: The student must have completed EDUC 601, Supervised Internship I: Perspectives and Methods in Teaching I, passed Praxis I, began preparation for the Praxis II Examination, and be advanced to candidacy. The student may be concurrently enrolled in Supervised Internship II. *Credits:*3

This course is designed to assist graduate students in the completion of a Master's 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 successfully completed the Praxis I Examination, EDUC 601, passed the comprehensive examination, and Supervised Internship I before registering for this course. EDUC 704 may be taken concurrently with Supervised Internship II.

EDUC 705 SUPERVISED INTERNSHIP I: PERSPECTIVES AND METHODS I (ELEMENTARY EDUCATION)

Prerequisites: The intern must have been advanced to candidacy, successfully completed Praxis I, began preparation for the Praxis II Examination, and completed all prerequisite requirements. *Credits:*3

This course has a twenty (20) day on-site documented component in the field. Candidates receive supervised instructional experiences within a public or private school setting under the leadership of an appropriate, competent professional, in addition to a laboratory component with two-eight week segments. The first eight-week segment includes a survey of the methods and competencies necessary for teaching in grades K-8. During the second eight-week segment, the students will concentrate on specific methodology, and pedagogy with emphasis on best practices and procedures specific to teaching in grades K-8. Students practice and simulate learning experiences under the guidance and instruction of

the education faculty, practitioners, and supervisors in a state-of-the-art Laboratory. The aspiring candidates integrate knowledge, observe others at work, apply skills and techniques, and construct a philosophy of teaching. The candidate must have passed the Internship Interview.

EDUC 706 INTRODUCTION TO RESEARCH

Former course number 506 *Prerequisites:* None *Credits:* 3

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 707 SUPERVISED INTERNSHIP I: PERSPECTIVES AND METHODS I (SECONDARY EDUCATION)

Prerequisites: The intern must have been advanced to candidacy, successfully completed Praxis I, began preparation for the Praxis II Examination, and completed all prerequisite requirements. *Credits:*3

This course has a twenty (20) day on-site documented component in the field. Candidates receive supervised instructional experience within a public or private school setting under the leadership of an appropriate, competent professional, in addition to a laboratory component with two-eight week segments. The first eight-week segment includes a survey of the methods and competencies necessary for teaching in grades 8-12. During the second eight-week segment, the students will concentrate on specific methodology, and pedagogy with emphasis on best practices and procedures specific to teaching in grades 8-12. Students practice and simulate learning experiences under the guidance and instruction of the education faculty, practitioners, and supervisors in a state-of-the-art laboratory. The aspiring candidates integrate knowledge, observe others at work, apply skills and techniques, and construct a philosophy of teaching. The candidate must have passed the Internship Interview.

EDUC 708 SUPERVISED INTERNSHIP I: PERSPECTIVES AND METHODS I (EARLY CHILDHOOD/SPECIAL EDUCATION)

Prerequisites : The intern must have been advanced to candidacy, successfully completed Praxis I, began preparation for the Praxis II Examination, and completed all prerequisite requirements. *Credits:*3

This course has a twenty (20) day on-site documented component in the field. Candidates receive supervised instructional experience within a public or private school setting under the leadership of an appropriate, competent professional, in addition to a laboratory component with two-eight week segments. The first eight-week segment includes a survey of the methods and competencies necessary for teaching in grades PreK-3. During the second eight-week segment, the students will concentrate on specific methodology, and pedagogy with emphasis on best practices and procedures specific to teaching in grades PreK-3.

Students practice and simulate learning experiences, under the guidance and instruction of the education faculty, practitioners, and supervisors in a state-of-the-art laboratory. The aspiring candidates integrate knowledge, observe others at work, apply skills and techniques, and construct a philosophy of teaching. The candidate must have passed the Internship Interview.

EDUC 713 CURRICULUM CHANGE AND INSTRUCTIONAL METHODS

Former course number 513 Prerequisites: None Credits: 3

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 727 SCHOOL LAW

Former course number 527 Prerequisites: None Credits: 3

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.

EDUC 731 SCHOOL CURRICULUM DEVELOPMENT

Former course number 531 Prerequisites: None Credits: 3

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 748 TEACHING READING IN SECONDARY SCHOOLS

Former course number 548 Prerequisites: None Credits: 3

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 REMEDIAL READING

Former course number 549 Prerequisites: EDUC 544, EDUC 645, EDUC 646, EDUC 534 or permission of instructor Credits: 3

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

Former course number 551 Prerequisites: Completion of 30 semester hours of the reading program Credits: 3

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

Former course number 569 Prerequisites: None Credits: 3

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 799 MASTER OF ARTS IN TEACHING COMPREHENSIVE EXAMINATION

Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades Credits: 0

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

EDUC 806 SUPERVISED INTERNSHIP II (Practicum Field Experience, Part II)

Former course number 606 Prerequisites: None Credits: 6

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 807 SUPERVISED INTERNSHIP II IN ELEMENTARY EDUCATION

Prerequisites: EDUC 705

Credits: 6

Supervised Internship II provides an on-site, supervised instructional experience within a public or private 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-8 settings according to their needs. The intern in Supervised Internship II will be expected to complete a full semester (80 days) of supervised teaching. The intern will be placed in a classroom with a qualified teacher for direct supervision. This course must be taken after the completion of EDUC 705, and may be taken concurrently with Perspectives and Methods in Teaching II (EDUC 704). The intern must be advanced to candidacy and have successfully completed Praxis I and passed the Praxis II examination (pedagogy and content) before the completion of the course.

EDUC 808 SUPERVISED INTERNSHIP II IN SECONDARY EDUCATION

Prerequisites: EDUC 707

Credits: 6

Supervised Internship II provides an on-site, supervised instructional experience within a public or private 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 9-12 settings according to their needs. The intern in Supervised Internship II will be expected to complete a full semester (80 days) of supervised teaching. The intern will be placed in a classroom with a qualified teacher for direct supervision. This course must be taken after the completion of EDUC 707, and may be taken concurrently with Perspectives and Methods in Teaching II (EDUC 704). The intern must be advanced to candidacy and have successfully completed Praxis I and passed the Praxis II examination (pedagogy and content) before the completion of the course.

EDUC 809 SUPERVISED INTERNSHIP I: PERSPECTIVES AND METHODS IN EARLY CHILDHOOD/SPECIAL EDUCATION

Prerequisites: EDUC 708

Credits: 6

Supervised Internship II provides an on-site, supervised instructional experience within a public or private 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 PreK-3 settings according to their needs. The intern in Supervised Internship II will be expected to complete a full semester (80 days) of supervised teaching. The intern will be placed in a classroom with a qualified teacher for direct supervision. This course must be taken after the completion of EDUC 708, and may be taken concurrently with Perspectives and Methods in Teaching II (EDUC 704). The intern must be advanced to candidacy and have successfully completed Praxis I and passed the Praxis II examination (pedagogy and content) before the completion of the course.

EDUC 836 SEMINAR IN ELEMENTARY EDUCATION

Former course number 563 Prerequisites: None

Credits: 3

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

Former course number 539 Prerequisites: None

Credits: 3

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

Former course number 540 Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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 545 ADVANCED GRAMMAR

Former course number 445 Prerequisite: None

Credits: 3

This course is a practical focus on language form and use. It is an intensive study of American English grammar, drawing upon contributions from traditional language scholarship and from more recent communicative approaches to grammar study.

ENGL 601 RHETORICAL THEORIES AND PRACTICES I

Former course number 503 Prerequisites: None

Credits: 3

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

Former course number 504 *Prerequisites:* None *Credits:* 3

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

Former course number 510 *Prerequisites:* None *Credits:* 3

ENGL 711 SPECIAL TOPICS IN POETRY

Former course number 511 *Prerequisites:* None *Credits:* 3

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

Former course number 512 *Prerequisites:* None *Credits:* 3

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

Former course number 513 *Prerequisites:* None *Credits:* 3

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

Former course number 514 *Prerequisites:* None *Credits:* 3

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

Former course number 515 *Prerequisites:* None *Credits:* 3

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

Former course number 533 *Prerequisites:* None *Credits:* 3

ENGL 734 SEMINAR IN LITERATURE OF THE EAST

Former course number 534 *Prerequisites:* None *Credits:* 3

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

Former course number 537 *Prerequisites:* None *Credits:* 3

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

Former course number 555 *Prerequisites:* None *Credits:* 3

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

Former course number 556 *Prerequisites:* None *Credits:* 3

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

Former course number 557 *Prerequisites:* None *Credits:* 3

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

Former course number 558 *Prerequisites:* None *Credits:* 3

ENGL 759 SEMINAR IN WORLD LITERATURE

Former course number 559 *Prerequisites:* None *Credits:* 3

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

Former course number 563 *Prerequisites:* None *Credits:* 3

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 ENGLISH COMPREHENSIVE EXAMINATION

Former course number 699 Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades Credits: 0
The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

ENGL 600 PRACTICUM IN TEACHING COLLEGE COMPOSITION

Prerequisites: None Credits: 3
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**

Former course number 504 Prerequisites: None Credits: 3
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

Former course number 505 Prerequisites: None Credits: 3
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

Former course number 520 Prerequisites: None Credits: 3
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

Former course number 522 Prerequisites: None Credits: 3

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

Former course number 524 Prerequisites: None Credits: 3

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

Former course number 527 Prerequisites: None Credits: 3

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

Former course number 531 Prerequisites: None Credits: 3

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

Former course number 557 Prerequisites: None Credits: 3

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 799 SCHOOL ADMINISTRATION & SUPERVISION COMPREHENSIVE EXAMINATION

Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades Credits: 0

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

ESAS 825 SEMINAR IN SCHOOL ADMINISTRATION AND SUPERVISION I

Former course number 525 Prerequisites: None Credits: 2

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

Former course number 528 Prerequisites: None Credits: 2

ESAS 855 PRACTICUM FOR SCHOOL ADMINISTRATION AND SUPERVISION I

Former course number 555 Prerequisites: None Credits: 2

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

Former course number 558 *Prerequisites:* None *Credits:* 2

Finance

FINA 520 FINANCIAL MANAGEMENT

Prerequisites: None *Credits:* 3

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

Former course number 521 *Prerequisites:* None *Credits:* 3

Applies the theory of corporation finance. Market efficiency, capital structure, capital budgeting, dividend policy are explored.

FINA 622 FINANCIAL INSTITUTIONS

Former course number 522 *Prerequisites:* None *Credits:* 3

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

Former course number 523 *Prerequisites:* None *Credits:* 3

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

Former course number 621 *Prerequisites:* None *Credits:* 3

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

Former course number 622 Prerequisites: None Credits: 3

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

Former course number 623 Prerequisites: None Credits: 3

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 601 INTRODUCTION TO HUMAN RESOURCE DEVELOPMENT

Prerequisites: None Credits: 3

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 608 CAREER DEVELOPMENT & OCCUPATIONAL ASSESSMENTS

Prerequisites: None Credits: 3

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

Prerequisites: None Credits: 3

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

Prerequisites: None *Credits:* 3

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

Prerequisites: None *Credits:* 3

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

Prerequisites: None *Credits:* 3

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 SPECIAL TOPICS IN HRD

Prerequisites: None *Credits:* 3

This course addresses the special trends, issues and challenges in the field of human resource development. The goal is to promote student understanding and application of processes within the specific area of instruction.

HURD 730 CONSULTING IN HUMAN RESOURCE DEVELOPMENT

Prerequisites: HURD 732 *Credits:* 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: 30 hours in the program, including HURD 732, 741, and 764

Credits: 3

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)

Prerequisites: None

Credits: 3

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 learning interventions are applied to enhance students' skills, knowledge and abilities include: understanding of 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

Prerequisites: None

Credits: 3

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 influences 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

Prerequisites: None

Credits: 3

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

Prerequisites: HURD 764

Credits: 3

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 764.

HURD 774 HUMAN RESOURCE DEVELOPMENT: A STRATEGIC APPROACH

Prerequisites: None

Credits: 3

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 783 FUNDAMENTALS OF PROJECT MANAGEMENT

Prerequisites: None

Credits: 3

This course explores the administration of a temporary organization of human and material resources within a permanent organization to achieve a specific objective. It considers both operational and conceptual issues within the organization. Additionally, it focuses on the essential elements of planning, implementation, control, and evaluation from an operational perspective. This course will conceptually study matrix organization, project authority, motivation and morale, and explore the differences and similarities between project and hierarchical management will be addressed. This course is strongly based on the Project Management Body of Knowledge (PMBOK). Project management

professionals not certified must take this course to qualify for the PMP examination.

HURD 785 THE HUMAN DEVELOPMENT SIDE OF PROJECT LEADERSHIP

Prerequisites: None *Credits:* 3

This course is the introduction to theory and practice of leading project workers and teams. It addresses core skills in motivating workers, organizing and leading teams, communicating and sharing information, and conflict resolution. It is designed to develop awareness of the manager's role in project success outcomes. The course will address the clear distinction between management and leadership roles with emphasis on theoretical frameworks in discerning management and leadership effectiveness in project management.

HURD 787 STRATEGIC VIEWPOINTS ON PROJECT MANAGEMENT

Prerequisites: None *Credits:* 3

This course provides a theoretical perspective and implications of the establishment of project management in modern organizations. It focuses on managerial styles and attitudes relevant to the development and implementation of specific tools used for strategic planning and control. Practical guidelines are given for developing conceptual thinking skills that directly impact the process of long-term project success.

HURD 789 ADVANCED PROJECT MANAGEMENT IN HRD

Prerequisites: HURD 783, 785, and 787 *Credits:* 3

This course essentially provides management with a global perspective of the implications of project management theory and practice. It focuses on advanced problems in organization structure, behavior, and leadership. It is a detailed exploration of the application concepts and themes within project management milieu.

HURD 791 PROJECT PLANNING & CONTROL CONCEPTS

Prerequisites: HURD 789 *Credits:* 3

This course is designed as an experience for personal growth in acquiring essential knowledge of procedures, tools, and techniques needed to conceptualize work requirements and make detailed project plans. It provides an integrative perspective in the organization of structuring projects to improve accuracy of forecasts and to assess project cost and duration.

HURD 806 RESEARCH PLANNING: ANALYSIS, INTERPRETATION, and PROPOSAL WRITING

Prerequisites: None *Credits:* 3

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. Provides an understanding and interpretation of the use of basic statistical techniques appropriate to research designs and includes; 2) the identification, design and implementation of organizational interventions designed to satisfy a need, alleviate a problem, or serve as new initiatives will be critiqued as students develop proposals for a critical analysis of a specific topic related to the HRD field of study. These proposals are to represent a highly sophisticated understanding of the application of principles learned through experience in the HRD program and existing research.

HURD 880 INTEGRATIVE SEMINAR: CRITICAL ENGAGEMENT IN HRD

Prerequisites: HURD 806 *Credits:* 3

This course has 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 seminar topic proposals developed during the planning stage (HURD 806) are completed. Topics include current issues in adult learning, training and education; design of training programs; consultant-client relationships; management strategies for change; organizational behavior issues, analysis of social forces; and special topics based on student interests.

HURD 881 RESEARCH ADVISEMENT

Prerequisites: HURD *Credits:* 3

This advisement course is offered to participants who need extended time to complete practicum or seminar requirements. It does not count toward academic credit.

Management Information Systems

INSS 500 INTRODUCTION TO INFORMATION SYSTEMS

Prerequisites: None *Credits:* 3

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 505 INTRODUCTION TO OBJECT ORIENTED PROGRAMMING

Prerequisites: None *Credits:* 3

This course is designed to prepare the student to successfully enter and complete the MIS graduate program. This course introduces students with *Object-Oriented (OO) methodology as well as OO programming*. Object-oriented

design principles and practices are emphasized throughout the course. Real world programs are also used as examples throughout the course.

INSS 510 COMPUTER CONCEPTS

Prerequisites: Fulfillment of all required prerequisite courses or consent of the Instructor *Credits: 3*

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

Prerequisites: None *Credits: 3*

INSS 615 PRINCIPLES AND PRACTICES OF INFORMATION SYSTEMS

Prerequisites: Graduate Standing *Credits: 3*

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

Former course number 520 Prerequisites: Fulfillment of all required prerequisite courses or consent of the Instructor *Credit 3*

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

Former course number 525 *Prerequisites:* INSS 615 or consent of the
Instructor *Credit 3*

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

Former course number 530 *Prerequisites:* INSS 615 or consent of the
Instructor *Credit 3*

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

Former course number 535 *Prerequisites:* INSS 615 or consent of the
Instructor *Credit 3*

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

Former course number 536 *Prerequisites:* INSS 615, 630 or consent of
the Instructor *Credit 3*

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

Former course number 538 Prerequisites: INSS 615, 630 or consent of the Instructor Credit 3

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

Former course number 540 Prerequisites: INSS 615, 630 or consent of the Instructor Credit 3

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

Former course number 550 Prerequisites: INSS 615, 630 or consent of the Instructor Credit 3

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

Former course number 555 Prerequisites: INSS 615 or consent of the Instructor Credit 3

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 658 HEALTH INFORMATICS

Prerequisite: Graduate Standing

Credit 3

This course provides a state-of-the-art view of how health information is stored, organized, retrieved and used. The course examines emerging trends in information technology, and provides students with the knowledge and skill-set to function effectively in the modern healthcare IT environment. Students will study health information applications in hospitals, clinics, public health settings, government repositories, Internet, and on CD-ROMs. Emphasis will be on the use and analysis of health information by patients/consumers, professionals and governments.

INSS 662 DECISION SUPPORT AND INTELLIGENT DECISION SYSTEM

Prerequisites: INSS 650

Credit 3

This course explores how computers can be used to aid decision makers in dealing with unstructured and other complex problems. Students will learn the characteristics, use, and development of decision support systems (DSS) within the context of other business information systems. Theoretical and practical perspectives on business intelligence, knowledge management, artificial intelligence, visual languages, and agent-based computing, as well as other appropriate material will be used to facilitate the design and implementation of DSS within distributed environments. Various techniques for evaluating DSS implementation are discussed.

INSS 663 ELECTRONIC COMMERCE AND e-BUSINESS TECHNOLOGIES

Prerequisites: INSS 650

Credit 3

This course explores the constantly changing field of electronic commerce and the underlying Internet tools and technologies. The basic components, skills, business concepts, strategic opportunities, and issues involved with electronic commerce are discussed. Topics include: Internet fundamentals, e-business frameworks and models, business process analysis, Web service architectures and standards, electronic payment methods and systems, intelligent integration and interchange of information among business partners, certificates, as well as security and digital rights management in e-business environments. The course explores the extensible markup language (XML) and other emerging agent-based languages used in e-business transactions and services.

INSS 673 FUNDAMENTALS OF DIGITAL BUSINESS STRATEGY

Prerequisite: INSS 630

Credit 3

This course develops a strategic understanding of the new electronic marketplace. It provides students with in-depth knowledge of how to leverage a competitive business advantage using Internet strategies and e-business.

Students gain insights and build skills formulating strategies for evaluating, planning, and developing a commercial Web site as part of an overall business strategy. Emphasis is on technical, legislative, social and other issues influencing digital business. The course integrates concepts of business strategy and policy with functional knowledge developed in other courses and business practice.

INSS 715 KNOWLEDGE MANAGEMENT SYSTEMS

Former course number 615 Prerequisites: INSS 650 Credit 3

This course examines and explores the foundations of successful Knowledge Management programs, including concepts such as centralized versus decentralized organizational structures, collaborative environments, enterprise engineering, decision support systems, and the use of technology to build a knowledge infrastructure. Each area will be presented through in-depth studies of the issues involved and the current state-of-the-art practices and tools. Advanced programming techniques for artificial intelligence and their relationship both to the foundational issues and to the most important application areas for Knowledge Management Systems (KMS) are studied.

INSS 720 INFORMATION SYSTEMS POLICY

Former course number 620 Prerequisites: INSS 640 or consent of Instructor

Credit 3

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 730 STRATEGIC INFORMATION MANAGEMENT

Prerequisite: INSS 630

Credit 3

This course provides an opportunity for in-depth analysis and discussion of strategic information management and leadership. The focus is on using information technology as a strategic resource and managing information systems as an asset to the organization. Students learn to how best use IT to affect culture and behavioral changes in an organization. Planning strategies, tactics, and practices are discussed, and overall corporate strategic plans are linked to information technology. Case studies and simulation models are used to explore the issues, problems, and processes in the strategic management of information and the management of information programs in institutional settings

INSS 733 BUSINESS PROCESS AND CHANGE MANAGEMEN

Prerequisite: INSS 630

Credit 3

An in-depth study of business transformation and the role of information technology (IT) as both an enabler and a driver of change. The course examines significant organizational changes and other issues associated with the incorporation and integration of IT throughout various levels of the organization, primarily from the *process management perspective*. A variety of commercial and open source tools will be used to determine the most effective ways of managing change in technology-intensive organizations. Students will learn the best practices in business process re-engineering and continuous process improvement. The focus is on enterprise and IT integration and synergy creation.

INSS 735 INFORMATION SYSTEMS SECURITY

Former course number 635 Prerequisites: INSS 615, 630 or consent of Instructor

Credit 3

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 740 ADVANCED OBJECT-ORIENTED ANALYSIS AND DESIGN

Prerequisite: INSS 640

Credit 3

In-depth study of the principles and applications of object-oriented methods in information systems. The course examines a variety of languages and design methods used for class construction. Higher-level tools for system construction are considered. Applications are investigated through program construction and case studies in varied settings, such as database systems, graphical user interfaces, knowledge-based systems, simulations, and prototyping. The course offers step-by-step guidelines for exploiting the benefits of object-oriented analysis and design, using running program examples to compare traditional and object-oriented approaches.

INSS 745 SYSTEMS PROBLEM SOLVING METHODS

Former course number 645 Prerequisites: INSS 615, 630

Credit 3

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 750 DISTRIBUTED DATABASE SYSTEMS SECURITY

Prerequisite: INSS 650

Credit 3

This course emphasizes hands-on experience in the study of security frameworks for databases in a distributed environment. Students learn the science and methods of securing distributed data. Models for multilevel security in both relational and object-oriented databases are studied. Topics include discretionary and mandatory access controls, secure database design, data integrity, secure architectures, secure transaction processing, information flow controls, inference controls, auditing, and statistical database security. Students survey commercial systems and develop research prototypes.

INSS 755 DATA WAREHOUSING AND MINING

Prerequisite: INSS 650

Credit 3

This course provides a comprehensive study of the business potential of data warehousing, including techniques for designing and maintaining large data warehouses as well as how to effectively use data warehouses for business advantage. Topics include OLAP, star schemas, data integration, data cleaning, maintenance of views in the presence of updates to the sources, and query processing of warehouses, data mining techniques such as classification, clustering, association rules, mining of time-series and complex data. The course presents a current and futuristic view of decision support data repositories, and discusses several successful applications of data warehousing.

INSS 765 INFORMATION MEASURES

Former course number 665 Prerequisites: INSS 615, 630

Credit 3

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 770 AUDITING, MONITORING, AND DETECTION INTRUSION

Prerequisite: INSS 735

Credit 3

A detailed study of the methodologies, techniques and tools for auditing, monitoring, and detection of problems or intrusions in computer systems or networks and their environments. Emphasis is on strategies for preventing and detecting unwanted process activity and recovering from malicious behavior. Topics include: types of threats, host-based and network-based information sources, vulnerability analysis, denial of service, deploying and managing intrusion detection systems, passive vs. active responses, designing recovery solutions. Operational and administrative security measures contributing to

detection activities are also covered. Case studies and exercises will be used to evaluate security operations.

INSS 773 DIGITAL BUSINESS SECURITY

Prerequisite: INSS 650

Credit 3

The principles of electronic commerce security and advanced technologies for secure digital business are explored in this course. Emphasis is on the critical elements of safe electronic commerce, including the data transaction, the server, the client, and the host network. The information security phases of inspection, protection, detection, reaction, and reflection are also emphasized. Topics include cryptography, SSL, SET, active content security issues (PKI, Java, ActiveX, JavaScript, and VB Script), transaction security, Web privacy, secure UNIX and Windows NT server configuration (hardening, access controls, encryption), CGI scripting, remote authoring, administration, and firewalls. The course also discusses how the business and financial risks associated with security are estimated and managed.

INSS 775 INFORMATION SYSTEMS PROJECT MANAGEMENT

Former course number 675 Prerequisites: INSS 530, 540 or consent of Instructor

Credit 3

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 776 PRINCIPLES OF ENTERPRISE ARCHITECTURE

Prerequisite: INSS 630

Credit 3

The frameworks and tools used to develop an organization's information system architecture are explored in this course. The course examines the process of planning, developing, and managing integrated enterprise-wide systems. It matches the various domains of IT enterprise architecture (infrastructure, data, applications, services) with the implementation dimensions (process change, portfolio management, IT processes). The focus is on the alignment of IT and organizational objectives through the integration of business architectures, data and information architecture, application architecture, technology architecture, interfaces and infrastructure. Students develop analytical skills in decision-making and strategy design for integrating IT components into the information system architecture.

INSS 777 ADVANCED INFORMATION AND NETWORK SECURITY

Prerequisite: INSS 735

Credit 3

This course provides an in-depth study of network security monitoring protocols, critical network security challenges, advanced security architectures, as well as tools and techniques for tuning networks to optimize their performance. Network infra-structure security issues explored include perimeter security defense, firewalls, virtual private networks, wireless security, network security auditing tools and ethical considerations. Students develop and evaluate strategies for deployment of "Defense-in-Depth" mechanisms in an enterprise computing environment. A Web-related network security project is required.

INSS 778 INFORMATION SECURITY RISK MANAGEMENT

Prerequisite: INSS 735

Credit 3

This course addresses the perspective of information security as a risk to be managed. The risks, costs, and other issues involved in planning for business continuity and developing secure operations in information systems and networks are studied. Topics covered include disaster recovery, outsourcing issues, service level agreements, contingency and business continuity planning, qualitative/quantitative risk analysis, audit procedures, financial integrity, cost/benefit analyses, back-up and recovery provisions, as well as insurance protection, information security risk management standards, and security awareness programs. Relevant organizational procedures and public policies are also explored. Students will undertake a research project in information security risk management.

INSS 779 ADVANCED INFORMATION ASSURANCE

Prerequisite: INSS 735

Credits 3

This course provides an in-depth examination of advanced principles of information assurance. A broad range of topics are covered, including penetration testing, formal verification of systems, formal models of information flow and protection, distributed system authentication, protocol design and attack, computer viruses and malware, intrusion and anomaly detection models. Multi-level security, active defenses, investigation and forensics, network firewalls, anonymity and identity, e-commerce support, and database security models and mechanisms are also studied. The course content is largely influenced by latest research in the field.

INSS 799 MANAGEMENT INFORMATION SYSTEMS COMPREHENSIVE EXAMINATION

Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades

Credits 0

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The Examination is a three hour test administered by the Graduate School.

INSS 825 ISSUES IN INFORMATION SYSTEMS MANAGEMENT

Former course number 625 Prerequisites: INSS 540, 620 or consent of Instructor Credits 3

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 885 SPECIAL TOPICS: e-BUSINESS VENTURE CREATION

Former course number 685 Prerequisites: INSS 510, 520, 530 or consent of Instructor Credits 3

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 887 EMERGING ISSUES IN INFORMATION SECURITY MANAGEMENT

Prerequisite: INSS 735 Credits 3

Exploration of emerging issues and rapidly evolving technologies in the field of information security. The course is structured as a research seminar where students present research papers to the class.

INSS 880 INFORMATION SYSTEMS PRACTICUM

Former course number 680 Prerequisites: Advancement to candidacy, INSS 540, 550, and 620. Credits 3

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 890 PROFESSIONAL SEMINAR

Former course number 690 Prerequisites: Advancement to candidacy and passing the comprehensive Credits 3

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 895 EMERGING ISSUES IN DIGITAL BUSINESS/KNOWLEDGE MANAGEMENT

Prerequisite: INSS 630 Credits 3

Broad coverage of issues associated with advanced information technologies for digital business in the era of the knowledge economy. Selected technologies and their central underlying concepts and functional applications are discussed. Topics include the Internet, semantic Web, networks, Web Ontology Language (OWL), Web services, enterprise applications and integration, e-commerce architectures, supply and value chain management, intelligent systems, cryptography, security, privacy, databases and knowledge bases, collaborative and knowledge management systems, data mining, user interfaces, hardware architecture, resource management, and operating systems. Case studies of successful knowledge acquisition and problem solving systems are presented.

INSS 898 DIRECTED THESIS RESEARCH

Prerequisites: Satisfactory completion all core courses and advancement to candidacy. Credits 3

This course is designed for students in the optional thesis program and is based on a semester-long research project. The project will involve original or advanced research effort evaluated by a committee of three faculty members. Prior approval by a faculty sponsor who supervises the student's work is required. The course should be taken as the last course in the program.

Mathematics**MATH 500 INTRODUCTION TO REAL ANALYSIS**

Prerequisites: Graduate status Credits: 3

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 525 ORDINARY DIFFERENTIAL EQUATIONS

Prerequisites: MATH 500 Credits: 3

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 530 INTRODUCTION TO OPTIMIZATION THEORY

Prerequisites: MATH 500 or instructor's permission

Credits: 3

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 540 OPERATIONS RESEARCH I

Prerequisites: Graduate Status

Credits: 3

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 541 NUMERICAL ANALYSIS I

Former course number 540 Prerequisites: Graduate status Credits: 3

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.

MATH 544 APPLIED STATISTICS

Prerequisites: Graduate Status

Credits: 3

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 550 APPLIED COMPLEX ANALYSIS

Prerequisites: Graduate Status

Credits: 3

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 560 MATHEMATICAL MODELING

Prerequisites: Graduate Status

Credits: 3

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 570 CODING THEORY AND CRYPTOGRAPHY

Prerequisites: Graduate Status

Credits: 3

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 580 APPLIED QUEUING THEORY

Prerequisites: Graduate Status

Credits: 3

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 625 APPLIED DIFFERENTIAL EQUATIONS

Prerequisites: MATH 525

Credits: 3

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 630 INTRODUCTIONS TO PARTIAL DIFFERENTIAL EQUATIONS

Prerequisites: MATH 525

Credits: 3

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 640 OPERATIONS RESEARCH II

Prerequisites: MATH 540

Credits: 3

This course introduces stochastic models of operations research. Topics include Markov chains, queuing theory, forecasting, Markovian decision processes, decision analysis, and simulation.

MATH 641 NUMERICAL ANALYSIS II

Former course number 640 Prerequisites: MATH 541

Credits: 3

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.

MATH 690 SELECTED TOPICS

Prerequisites: None

Credits: 3

MATH 696 RESEARCH PROJECT

Prerequisites: None

Credits: 3

MATH 799 MATHEMATICS COMPREHENSIVE EXAMINATION

Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades

Credits: 0

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

Management

MGMT 501 MANAGING PUBLIC AND PRIVATE ORGANIZATIONS

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

This course will examine the nature of human behavior in organizations. Coursework will focus primarily on theories related to individual and group behavior in organizations. Incorporated into the course content will be an overview of classical, neoclassical and modern organization theories – to set the stage for studying behavior in organizations. Distinctions will be made among the domains of Organizational Behavior, Organizational Development and Human Resource Management.

MGMT 541 ENTREPRENEURSHIP

Prerequisites: None

Credits: 3

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 Organization Theory & Behavior

Prerequisites: None

Credits: 3

This course is designed to have students understand the clear distinctions between organization behavior and organization theory. The intent is to explain how organizations are structured around critical topics that are relevant for analyzing how employees are led and motivated to perform work. Students learn organizational theories that define the relationships between structure and job design, technology and performance. Employee work behaviors are tied to the socio-technical systems, techno-structural systems, and the job tasks that help to define how work is to be performed. Taken together these topics examine and define how the total organization operates under ideal circumstances.

MGMT 550 LEGAL ENVIRONMENT OF BUSINESS

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

MGMT 585 QUANTITATIVE METHODS FOR DECISION-MAKING

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Former course number 577 Prerequisites: None

Credits: 3

MGMT 683 PRODUCTION AND OPERATION MANAGEMENT

Prerequisites: None

Credits: 3

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

Former course number 641 Prerequisites: MGMT 511 and MGMT 772

Credits: 3

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

Former course number 672 Prerequisites: All background courses Credits: 3
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

Prerequisites: None Credits: 3
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

Prerequisites: None Credits: 3
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

Prerequisites: None Credits: 3
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

Prerequisites: None Credits: 3
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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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.

Mental Health Counseling

MHCO 799 MENTAL HEALTH COUNSELING COMPREHENSIV EXAMINATION

Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades *Credits: 0*

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

Nursing

NURS 502 CONCEPTUAL AND THEORETICAL FOUNDATIONS FOR ADVANCED PRACTICE NURSING

Prerequisites: None *Credits: 4*

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 are 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

Prerequisites: None *Credits: 3*

This course is designed to provide advanced knowledge and experience with the research process, including the research problem, purpose, research questions, conceptual framework, literature review, ethical considerations, and methodology. Critical analysis of research studies is also conducted. The appraisal and utilization of evidence-based research in clinical practice is emphasized. (4 clock hours)

NURS 604 EPIDEMIOLOGY

Prerequisites: None *Credits: 3*

This lecture course introduces epidemiology and provides an in-depth study of factors that impact the health of populations. It serves as the foundation for understanding medical research, public health, and preventive medicine. Measures of morbidity and mortality used in epidemiology are examined. Research methods used in descriptive and analytic epidemiology will be described. The application of statistical models to test hypotheses and the documentation of results for epidemiological studies in the community, and the screening of diseases in the community will be explored. Content areas in epidemiology that include infectious diseases, occupational and environmental health, molecular and genetic epidemiology, and psychosocial epidemiology are analyzed. Professional issues in epidemiology will be discussed. (3 clock hours)

NURS 607 ADVANCED HEALTH ASSESSMENT

Prerequisites: None

Credits: 4

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

Prerequisites: NURS 610 Advanced Pathophysiology

Credits: 3

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

Prerequisites: None

Credits: 3

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 620 NURSE EDUCATOR ROLE

Prerequisites: None

Credits: 3

This course provides the student in the nurse educator role with fundamental knowledge about the evolution of this role, the legal and ethical issues in nursing education, and the role of the nurse educator in higher education and healthcare organizations. Content includes information about the roles and responsibilities of the nurse educator, application of learning theories, and issues impacting teaching and learning. (3 clock hours)

NURS 621 SPECIALTY IN ADVANCED PRACTICE NURSING

Prerequisites: None

Credits: 3

This course provides students the opportunity to enhance knowledge and skills of advanced practice nursing within a selected specialty. Seminars allow students to apply theory and evidence-based practices to management of selected health-

related problems. Planned practicum learning experiences are provided to enable students to acquire skills that are utilized in advanced practice nursing. (2 lecture hours; 5 practicum hours)

NURS 622 CURRICULUM DESIGN IN NURSING EDUCATION

Prerequisites: None

Credits: 3

This course explores curriculum development from a historical and philosophical perspective. The formal process of curriculum planning, development, implementation, and evaluation is presented. Strategies for curriculum design and evaluation in the academic and healthcare settings are highlighted. (3 clock hours)

NURS 624 TECHNOLOGY IN NURSING EDUCATION

Prerequisites: None

Credits: 3

This course prepares students to design technology-based instruction for nursing education. Students will apply principles of learning theory and curriculum development for appropriate decision-making in the application of a variety of educational technologies. (3 clock hours)

NURS 626 INSTRUCTIONAL STRATEGIES AND EVALUATION

Prerequisites: None

Credits: 3

This course prepares students for the application of instructional strategies and methods for teaching in the academic and health care settings. Skills essential to the role of nurse educator through designing, applying, and appraising instructional methods are addressed. An overview of methods utilized for evaluating learning will be provided including test construction, item analysis, teaching effectiveness, and clinical performance evaluation. (3 clock hours)

NURS 628 TEACHING PRACTICUM

Prerequisites: None

Credits: 3

This course provides students in the nurse educator role the opportunity to develop skills in the teaching-learning process, curriculum development, and evaluation. Planned learning experiences are provided to enable students to participate in all phases of the teaching role, including clinical instruction in an area of specialization, classroom instruction, staff development, and course evaluation. (1 lecture hour; 10 practicum hours)

NURS 712 PRIMARY CARE I: ADULT CLIENTS

Prerequisites: NURS 502, 509, 607, 608, 610

Credits: 3

This lecture course introduces the family nurse practitioner role in primary care settings. The primary care of adult clients with common acute and stable chronic conditions is discussed. Theories and concepts utilized for health promotion, health protection, disease prevention and health restoration are explored, with

an emphasis on vulnerable and underserved adults and their families. Theories and research from nursing and other scientific disciplines are integrated into a framework that supports clinical decision making in the identification and management of adult clients. The family nurse practitioner's role in collaborating with an interprofessional team of health care providers is discussed. Legal and ethical issues related to the provision of primary care to adults, are examined. Factors that impact the delivery of health services to vulnerable and underserved adults and their families are examined. (3 clock hours)

NURS 713 PRIMARY CARE I: ADULT CLIENTS - PRACTICUM

Prerequisites: NURS 502, 509, 607, 608, 610 *Credits:* 2

This practicum provides opportunities to apply knowledge and skills in advanced health assessment, diagnostic reasoning, health planning, and illness and disease management in the primary care of adult clients. Students work with experienced nurse practitioner and physician preceptors. Students provide direct primary care services to adult clients with minor acute and stable chronic conditions. Health education using teaching skills aimed at health promotion, disease prevention, and management of common acute and stable chronic illnesses is implemented. Students engage in collaborative care planning with members of the interprofessional health care team.

NURS 714 PRIMARY CARE II: WOMEN'S HEALTH, OBSTETRIC AND PEDIATRIC CLIENTS

Prerequisites: NURS 712, 713 *Credits:* 5

This lecture course introduces the family nurse practitioner role in the provision of primary care to women throughout the life cycle, obstetrical clients, and pediatric clients (from birth to 18 years of age). The primary care of women and children with common acute and stable chronic conditions is discussed. The comprehensive care guidelines for the management of obstetrical clients and their families are explained. Emphasis is placed on the synthesis of theories and research from nursing and other scientific disciplines to engage in clinical decision-making, and evidence based practice. Health promotion, health protection, disease prevention, health restoration, and cultural competence are explored. The family nurse practitioner's role in collaborating with an interprofessional team of health care providers is discussed. Legal and ethical issues related to the provision of primary care to women, children and their families are appraised. The delivery of primary care health services to vulnerable and underserved women and children are examined. (5 clock hours)

NURS 715 PRIMARY CARE II: WOMEN'S HEALTH, OBSTETRIC AND PEDIATRIC CLIENTS - PRACTICUM

Prerequisites: NURS 712, 713 *Credits:* 3

This practicum provides opportunities to apply knowledge and skills in advanced health assessment, diagnostic reasoning, health planning, and management of

clients in obstetric /gynecologic (OB/GYN), and pediatric primary care settings. Students work with experienced nurse practitioners, certified nurse midwives, and physicians as their preceptors. Students provide direct primary care services to women and children with common acute and stable chronic conditions; prenatal and postpartum care to obstetrical clients. Health education using teaching skills aimed at health promotion, disease prevention, and health management is implemented. Collaborative care planning with members of an interprofessional health care team is utilized. (15 clock hours.)

NURS 716 PRIMARY CARE III: OLDER ADULT CLIENTS

Prerequisites: NURS 712, 713

Credits: 2

This lecture course prepares the family nurse practitioner student for the role of primary care provider to older adult clients with common acute and stable chronic health conditions. This course emphasizes health promotion, health protection, disease prevention, and health management of the aging adult and their family. Selected theories and evidence based practice guidelines are discussed in relation to assessment, diagnosis, and health management. The family nurse practitioner's role in collaborating and consulting with other members of the health care team is discussed. Social, economic, legal and ethical issues specific to the care of older adults are examined. Health policies that impact the delivery of health services to vulnerable and underserved adults and their families are explored. (2 clock hours)

NURS 717 PRIMARY CARE III: OLDER ADULT CLIENTS - PRACTICUM

Prerequisites: NURS 712, 713

Credits: 2

This practicum provides opportunities to apply knowledge and skills in health assessment, diagnostic reasoning, health planning, and illness and disease management in the primary care of older adult clients. Students work with experienced nurse practitioner and physician preceptors in acute care and long-term care facilities. Students provide comprehensive care services to older adult clients with minor acute and stable chronic conditions. Students engage in collaborative care planning with members of the interprofessional health care team. (10 clock hours)

NURS 718 PRIMARY CARE IV: FAMILY NURSE PRACTITIONER ROLE SEMINAR

Prerequisites: NURS 712, 713, 714, 715, 716, 717

Credits: 2

This seminar course emphasizes the integration and application of theory and evidence based practice in the role of family nurse practitioner (FNP) in providing primary care to clients and families across the lifespan. Issues related to role transition from professional nurse to independent family nurse practitioner are discussed. Leadership roles, organizational theories and dynamics are examined. Health care policy, health economics, and health care finance are analyzed for their impact on vulnerable and underserved populations, as well as on FNP practice. Regulatory, legal and credentialing requirements for practice are

explored. (2 clock hours)

NURS 719 PRIMARY CARE IV: FAMILY NURSE PRACTITIONER ROLE SEMINAR - PRACTICUM

Prerequisites: NURS 712, 713, 714, 715, 716, 717 *Credits:* 3

This practicum emphasizes the application of theories and concepts when providing primary care to clients across the lifespan. There is an emphasis on enhancement of socialization and role development while providing and evaluating direct primary care services to individuals and families. Students have an opportunity to apply and evaluate their critical thinking and diagnostic reasoning skills as well as their personal philosophy of primary care practice. (15 clock hours)

NURS 730 SEMINAR IN CRITICAL ISSUES FOR ADVANCED PRACTICE NURSING

Prerequisites: This course is taken in the last semester of the program.

Credits: 2

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)

Organizational Communications

ORGC 502 COMMUNICATION THEORY AND RESEARCH

Prerequisites: None *Credits:* 3

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

Prerequisites: None *Credits:* 3

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

Prerequisites: None *Credits:* 3

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 DOMESTIC TELECOMMUNICATIONS POLICY

Former course number 506 *Prerequisites:* None *Credits:* 3
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 607 LEADERSHIP AND CHANGE COMMUNICATION

Prerequisites: *Advancement to Candidacy* *Credits:* 3
This course explores the relationships between organizational leadership and implementation of effective change. It explores the differences between management and leadership. In addition, the course investigates several Leadership theories, the process of innovation adoption, persuasion, ideas about change agency, and the building of critical mass of adopters.

ORGC 608 TELECOMMUNICATIONS NATIONAL DEVELOPMENT

Former course number 508 *Prerequisites:* None *Credits:* 3
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 612 SPECIAL TOPICS ON ORGANIZATIONAL COMMUNICATION

Prerequisites: ORGC 502 504, 607 *Credits:* 3
This course allows students to choose an interest area in organizational/corporate communications to investigate during the semester. These areas include healthcare, educational context, crisis management, sports management, entertainment, business, and media among others. Students select an area of interest with the approval of the professor and then apply organizational and corporate communication principles through a research paper and presentation.

ORGC 627 MEDIATION AND CONFLICT RESOLUTION

Former course number 527 *Prerequisites:* None *Credits:* 3
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

Former course number 530 *Prerequisites:* None *Credits:* 3

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

Former course number 531 *Prerequisites:* None *Credits:* 3

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 MANAGEMENT

Former course number 534 *Prerequisites:* None *Credits:* 3

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

Former course number 536 *Prerequisites:* None *Credits:* 3

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

Former course number 535 *Prerequisites:* None *Credits:* 3

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

Former course number 538 *Prerequisites:* ORGC 502 & ORGC 504

Credits: 3

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 799 ORGANIZATIONAL COMMUNICATIONS COMPREHENSIVE EXAMINATION

Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades *Credits: 3*

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

ORGC 810 PRACTICUM IN TELECOMMUNICATIONS POLICY

Former course number 510 Prerequisites: Advancement to Candidacy *Credits: 3*

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

Former course number 540 Prerequisites: ORGC 502, ORGC 504, & ORGC 738 *Credits: 3*

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

Former course number 601 Prerequisites: None *Credits: 3*
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

Prerequisites: None *Credits: 3*

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 socioteleanalytic (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

Prerequisites: None

Credits: 3

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

Former course number 506 Prerequisites: None

Credits: 3

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

Former course number 503 Prerequisites: None

Credits: 3

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

Former course number 504 Prerequisites: None

Credits: 3

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

Former course number 506 Prerequisites: None

Credits: 3

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

Former course number 507 Prerequisites: None Credits: 3

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

Former course number 510 Prerequisites: None Credits: 3

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

Former course number 511 Prerequisites: None Credits: 3

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

Former course number 512 Prerequisites: Three hours of psychology or permission of the instructor Credits: 3

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 701 HISTORY AND THEORY OF PASTORAL COUNSELING

Prerequisites: None Credits: 3

An examination will be made of the historical, philosophical, and psychological foundations of the pastoral care/counseling movement. Emphasis will be placed on the influence of the following psychologies: Freudian, Adlerian, Jungian, Rogerian, and Humanistic, philosophies: existentialism, personalism, pragmatism, and phenomenism; and theologies: Fundamentalism, Neo-Orthodoxy, Liberalism, and Existentialism. The clinical pastoral counseling movement will be investigated by the demands made by the social and cultural trends and reforms of the 20th century.

PSYC 703 PASTORAL DIAGNOSIS AND PSYCHOTHERAPY (DSMIV)

Prerequisites: None

Credits: 3

Through demonstrations and practice students will learn how to conduct a pastoral diagnostic interview, set therapy goals, and devise a counselee treatment plan. Through this process they will gain competency in empathy, active listening, observation, non-verbal communication, tracking meanings, and the understanding of the counselee's religious and spiritual dynamics. They will be more sensitive to God's presence in the counseling experience and be able to identify and treat therapeutically the potential psychopathologies of guilt, anger, resentment, fear, distrust, sin, rejection, conversion, confession, forgiveness, judgment, redemption, and salvation. Attention will be given to a pastoral counselor's use and abuse of power through the techniques of personal reflection, prayer, and blessing.

PSYC 705 RELIGIOUS AND SPIRITUAL RESOURCES IN COUNSELING

Prerequisites: None

Credits: 3

Attention will be given to the development of diagnostic skills in order to identify the counselee's religious and spiritual resources that can be utilized in facing psychological problems. Counselors will learn how to distinguish their counselee's existential questions, which are inherent in interpersonal conflicts. Issues of counselee self-worth, self-esteem, self-image, and self-confidence will be addressed. Students will learn how to identify and examine individual and institutional belief and value systems. Emphasis will be given to the development of the counselor's own spiritual resources to enhance his or her counseling and to decrease the possibility of "counselor burnout." Students will be required to write their own spiritual and religious biography.

PSYC 707 CONGREGATIONAL INTERPERSONAL RELATIONS AND PASTORAL CARE

Prerequisites: PSYC 731, 701

Credits: 3

The purpose of the course is to explore the meaning of pastoral care in the larger systems context of a congregation organization or institution. What is the role of Pastoral care in administration, outreach, small groups educational programs and worship? What does one need to know about Pastoral care planning for the different ages of persons? How does a Pastoral leader help a particular congregation practices its beliefs and values to enhance the quality of Pastoral care?

PSYC 710 INTELLIGENCE TESTING

Former course number 610 Prerequisites: Fifteen hours of psychology or counseling courses or permission

Credits: 3

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

Former course number 611 *Prerequisites: Fifteen hours of psychology or counseling courses* *Credits: 3*

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

Former course number 514 *Prerequisites: None* *Credits: 3*

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 AND OTHER THEORIES

Former course number 530 *Prerequisites: 6 hours in the Adlerian field, including PSYC 501* *Credits: 3*

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

Former course number 534 Prerequisites: 6 hours in the field, including PSYC 502 Credits: 3

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

Former course number 539 Prerequisites: None Credits: 3

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

Former course number 544 Prerequisites: None Credits: 3

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

Former course number 575 Prerequisites: Admission to Psychotherapy Certificate program or 21 hours of graduate courses and permission of instructor Credits: 3

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

Former course number 580 Prerequisites: None Credits: 3

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

Former course number 593 Prerequisites: None Credits: 3

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 794 ART THERAPY OF ADULTS

Former course number: 594 Prerequisites: None Credits: 3

The thrust of the course provides a didactic and experiential approach to the use of art in counseling. Through participation in directed art experiences, the learner will have the opportunity to assess personal self-awareness as well as learn how to evaluate the graphic product of others from an Adlerian psychological base.

PSYC 799 COUNSELING PSYCHOLOGY COMPREHENSIVE EXAMINATION

Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades Credits: 0

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

PSYC 801 SEMINAR ADVISEMENT

Former course number 601 Prerequisites: Permission of instructor.

Credits: 1

Counseling Psychology or Mental Health students should register for this one credit class when they have been unable to complete the seminar paper in one semester. With special permission of the instructor, a student can take COUN 801 to start the paper one semester before registering for COUN 861 if they have passed the Comprehensive Exam.

PSYC 805 RESEARCH ADVISEMENT

Former course number 605 Prerequisites: Permission of instructor.

Credits: 1

Counseling Psychology and Mental Health Counseling students should register for this one credit class when they have not completed internship during the semester they have registered for it. This course provides supervision while a student is completing the required field experience.

PSYC 806 INTERNSHIP IN MENTAL HEALTH THERAPY

PSYC 833 ADVANCED TECHNIQUES IN PSYCHOTHERAPY

Former course number 633 Prerequisites: None Credits: 3

This course is an overview and application of treatment models used in therapy to treat various mental health disorders. Specific techniques used in major theoretical models to treat mental, emotional and behavioral disorders will be reviewed. Psychoanalytical/psychodynamic models, cognitive-behavioral models, and the existential-humanistic theoretical approaches/models will be used to assess mental health disorders. Students will role play various techniques in class using these treatment models for various disorders.

PSYC 836 PRACTICUM COUNSELING PSYCHOLOGY I

Former course number 536 Prerequisites: 24 hours in the program, including PSYC 501 or 502, 503, 529 Credits: 3

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

Former course number 537 Prerequisites: Two of the following courses: PSYC 501, COUN 509, PSYC 530 Credits: 3

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

Former course number 538 Prerequisites: Prerequisites include PSYC 501, 530, COUN 532, and PSYC 536 Credits: 3

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

Former course number 557 Prerequisites: None Credits: 3

PSYC 858 INTERNSHIP IN COUNSELING PSYCHOLOGY

Former course number 558 Prerequisites: None Credits: 3

PSYC 861 SEMINAR IN COUNSELING PSYCHOLOGY

Former course number 561 Prerequisites: Successful completion of the Comprehensive Examination Credits: 3

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

Prerequisites: None Credits: 3

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

Prerequisites: None Credits: 3

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

Prerequisites: None

Credits: 3

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)

Prerequisites: Approval of Advisor

Credits: 3

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

Former course number 501 Prerequisites: None

Credits: 3

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

Former course number 530 Prerequisites: None

Credits: 3

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

Former course number 505 Prerequisites: None

Credits: 3

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

Prerequisites: All background courses

Credits: 3

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

Prerequisites: MGMT 511 and MGMT 571

Credits: 3

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

Former course number 504 Prerequisites: PUAD 502 and PUAD 530

Credits: 3

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

Former course number 610 Prerequisites: All background courses

Credits: 3

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

Former course number 699 Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades

Credits: 0

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

Special Education

SPED 502 MATHEMATICS, SCIENCE, AND SOCIAL STUDIES

Prerequisites: SPED 511

Credits: 3

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

Prerequisites: SPED 511

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: SPED 511

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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 545 COMPUTERS AND TECHNOLOGY IN SPECIAL EDUCATION

Prerequisites: None

Credits: 3

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

Former course number 515 Prerequisites: SPED 511, 520, 522, 545, 649

Credits: 3

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

Former course number 526 Prerequisites: SPED 511 Credits: 3

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 MULTIDISCIPLINARY TEAM: ASSESSMENT, COLLABORATION, AND INTERVENTION

Former course number 529 Prerequisites: SPED 511, 540 Credits: 3

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

Former course number 549 Prerequisites: None Credits: 3

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

Former course number 516 Prerequisites: SPED 507, 502, 517, 626, 539

Credits: 3

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

Former course number 530 Prerequisites: Successful completion of the Graduate Comprehensive Credits: 3

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

Former course number 699 Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades Credits: 0

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

School Psychology

SPSY 501 INTRODUCTION TO SCHOOL PSYCHOLOGY

Prerequisites: None Credits: 3

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

Prerequisites: None Credits: 3

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

Prerequisites: None Credits: 3

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

Prerequisites: None

Credits: 3

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

Former course number 505 Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Former course number 506 Prerequisites: None

Credits: 3

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

Prerequisites: None

Credits: 3

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

Prerequisites: SPSY 501; 507; 510; 610

Credits: 3

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

Prerequisites: SPSY 503; 505; 607

Credits: 3

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

Prerequisites: None

Credits: 3

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

Former course number 508 Prerequisites: SPSY 507 Credits: 3

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

Prerequisites: None

Credits: 3

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

Former course number 603 Prerequisites: None Credits: 3

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

Former course number 604 Prerequisites: None Credits: 3

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

Former course number 605 Prerequisites: None Credits: 3

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

Prerequisites: Advancement to Candidacy, Completion of all prerequisites, resolution of all Incomplete grades Credits: 0

The comprehensive examination is a comprehensive test on the core concepts and issues within the discipline. The examination is a three hour test administered by the Graduate School.

SPSY 800 THESIS I

Former course number 601 Prerequisites: None Credits: 0

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

Former course number 602 Prerequisites: None Credits: 3

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

Former course number 700 Prerequisites: 54 semester hours of selected coursework in School Psychology Credits: 3

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

Former course number 701 Prerequisites: 54 semester hours of selected coursework in School Psychology Credits: 3

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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