**College of Liberal Arts & Sciences**

**Degree Program Student Learning Outcomes**

**BA Africana Studies**

BAAFRS01 Demonstrate an understanding of the knowledge and interdisciplinary content of the African/African Diaspora historical experience, cultural traditions, and social conditions, and/or political economies.

BAAFRS02 Demonstrate the ability to develop an interdisciplinary analysis and critical understanding of any aspect of the African/African Diaspora historical experience, cultural traditions, and social conditions, and/or political economies.

BAAFRS03 Write final papers that conform to the writing styles in the social sciences and/or humanities.

BAAFRS04 Construct coherent arguments, and effectively communicate independent perspectives using any form of oral presentations and multimedia demonstrations typically found in the humanities and the social sciences.

**BA Anthropology**

BA\_ANTH01 Students will be able to integrate anthropological data and theory, and complete an anthropological research project.

BA\_ANTH02 Students will demonstrate acceptable competence in writing about anthropological research.

BA\_ANTH03 Anthropology majors will demonstrate acceptable competence in oral presentation of anthropological research.

BA\_ANTH04 Anthropology majors will demonstrate acceptable competence in using presentation software to support an oral presentation of anthropological research.

**MA Anthropology**

MA\_ANTH01 Anthropology M.A. students will be able to apply anthropological literature to the analysis of an anthropological research problem or issue.

MA\_ANTH02 Anthropology M.A. students will be able to apply methodological skills to understand an anthropological research problem or issue.

MA\_ANTH03 Anthropology M.A. students will be able to present research with effective written communication skills.

**BA Biology**

BABIOL01 Students will be able to understand and apply fundamental biological principles from the major content areas of the curriculum which include the following five learning themes: evolution energy transfer, information flow, form and function, and complex systems.

BABIOL02 Students will be able to demonstrate effective skills related to analysis, synthesis, and evaluation of scientific work including their written communication, which include the following learning themes: effective application of laboratory and/or field techniques, proficiency in data and statistical analyses, effective reasoning and interpretation skills, and ability to draw biological conclusions from raw data.

BABIOL03 Students will be able to demonstrate effective skills in the oral communication of scientific work which include the ability to communicate on all aspects of the following learning themes: effective application of laboratory and/or field techniques, proficiency in data and statistical analyses, effective reasoning and interpretation skills, and ability to draw biological conclusions from raw data.

**BS Biology**

BSBIOL01 Students will be able to understand and apply fundamental biological principles from the major content areas of the curriculum which include the following five learning themes: evolution energy transfer, information flow, form and function, and complex systems.

BSBIOL02 Students will be able to demonstrate effective skills related to analysis, synthesis, and evaluation of scientific work including their written communication, which include the following learning themes: effective application of laboratory and/or field techniques, proficiency in data and statistical analyses, effective reasoning and interpretation skills, and ability to draw biological conclusions from raw data.

BSBIOL03 Students will be able to demonstrate effective skills in the oral communication of scientific work which include the ability to communicate on all aspects of the following learning themes: effective application of laboratory and/or field techniques, proficiency in data and statistical analyses, effective reasoning and interpretation skills, and ability to draw biological conclusions from raw data.

**MS Biology**

MSBIOL01 Develop skills to conduct independent research capable of generating at least one peer reviewed publication, demonstrated through: (1) ability to survey scientific literature appropriate for the MS thesis research topic, (2) ability to generate hypotheses and propose appropriate experimental design, (3) ability to formulate and justify expected results, (4) ability to propose appropriate statistical analyses, and (5) ability to formulate conclusion.

MSBIOL02 Demonstrate depth of knowledge about the specific sub-discipline related to the MS thesis research topic.

MSBIOL03 Demonstrate breadth knowledge about general biological principles related to: cellular biology and genetics, physiology, ecology and environmental biology, and evolution.

MSBIOL04 Develop presentation and communication skills, as demonstrated by the ability to present a PowerPoint Presentation of the MS Thesis Research Topic that: (1) provides sufficient background information to justify the proposed project, (2) clearly presents testable hypotheses, (3) clearly presents the proposed experimental design and statistical analyses, (4) clearly outlines the expected results and possible pitfalls to the proposed research, and (5) provides an overall clearly conceived and designed project.

**PhD Biology**

PHDBIOL01 Develop skills to conduct independent research capable of generating multiple peer reviewed publications demonstrated through: (1) ability to survey scientific literature appropriate for the dissertation research topic, (2) ability to generate hypotheses and propose appropriate experimental design, (3) ability to formulate expected results and conclusion, (4) ability to propose appropriate statistical analyses, and (5) ability to propose future research questions.

PHDBIOL02 Demonstrate depth of knowledge about the specific sub-discipline related to the dissertation research topic.

PHDBIOL03 Demonstrate breadth of knowledge about general biological principles related to the core required courses: (1) Hypothesis Testing (i.e. statistics and experimental design), (2) Cellular Biology, (3) Molecular Biology, and (4) Biochemistry.

PHDBIOL04 Develop presentation and communication skills, as demonstrated by the ability to present a PowerPoint Presentation of the Dissertation Research Topic that: (1) provides sufficient background information to justify the proposed project, (2) clearly presents testable hypotheses, (3) clearly presents the proposed experimental design and statistical analyses, (4) clearly outlines the expected results and possible pitfalls to the proposed research, and (5) provides an overall clearly conceived and designed dissertation project.

**BA Chemistry**

BACHEM01 Make accurate quantitative chemical measurements in the laboratory.

BACHEM02 Demonstrate the ability to apply knowledge of organic chemistry.

BACHEM03 Demonstrate the ability to communicate scientific information effectively in oral format.

BACHEM04 Demonstrate the ability to communicate scientific information effectively in writing.

**BS Chemistry**

BS\_CHEM01 Make accurate quantitative chemical measurements in the laboratory.

BS\_CHEM02 Demonstrate the ability to apply knowledge of organic chemistry.

BS\_CHEM03 Demonstrate the ability to communicate scientific information effectively in oral format.

BS\_CHEM04 Demonstrate the ability to communicate scientific information effectively in writing.

**BS Chemistry with Biochemistry option**

BS\_Biochem01 Make accurate quantitative chemical measurements in the laboratory.

BS\_Biochem02 Demonstrate the ability to apply knowledge of organic chemistry.

BS\_Biochem03 Demonstrate the ability to apply knowledge of biochemistry.

BS\_Biochem04 Demonstrate the ability to communicate scientific information effectively in oral format.

BS\_Biochem05 Demonstrate the ability to communicate scientific information effectively in writing.

**MS Chemistry**

MS\_CHEM01 Demonstrate ability to apply knowledge of chemistry to plan a research project.

MS\_CHEM02 Demonstrate proficiency in conducting scientific research.

MS\_CHEM04 Demonstrate the ability to communicate scientific information effectively in writing.

**PhD Nanoscale Science**

NanoScaleScience01 Demonstrate ability to apply knowledge of nanoscale science.

NanoscaleScience02 Demonstrate expertise in conducting scholarly research in nanoscale science.

NanoscaleScience03 Demonstrate ability to communicate scientific information effectively in an oral presentation.

NanoscaleScience04 Demonstrate ability to communicate scientific information effectively in writing.

**BA Communication Studies**

BACOMM01 Students will demonstrate appropriate oral communication skills.

BACOMM02 Students will demonstrate an understanding of major concepts of the field.

BACOMM03 Students will demonstrate appropriate written communication skills.

**MA Communication Studies**

MACOMM01 Students will demonstrate knowledge of the nature, methods, and functions of communication research.

MACOMM02 Students will demonstrate the ability to research and orally explicate the relationship between an appropriate theoretical framework and communication praxis.

**BA Criminal Justice**

BACJC01 Administration of Justice: Understand the major components of the criminal justice system and their functions.

BACJC02 Law Enforcement: Understand the basic functions and practice of policing.

BACJC03 Corrections: Understand the basic functions and practices of the correctional system.

BACJC04 Law: Understand the courtroom and its procedures, the criminal law and issues of criminal procedure.

BACJC05 Students will demonstrate competence in the prevailing criminological theories.

**MS Criminal Justice**

MSCJC01 Formulating Researchable Questions

MSCJC02 Accessing Research Literature

MSCJC03 Understanding Theory and Policy

MSCJC04 Research Planning

**BA English**

BAENGL01 English Majors will demonstrate an awareness of audience by reflecting on how and why their rhetorical choices are effective for an assignment’s assumed audience.

BAENGL02 English Majors will demonstrate knowledge of a particular genre of creative writing (poetry, fiction, or creative nonfiction) through the completion of an original work in that genre.

BAENGL03 English majors will have the ability to express complex ideas clearly in writing.

**MA English**

MAENGL01 Students will demonstrate understanding of Modern Literary Theory: engagement with literary theory and criticism, the ability to close read texts and familiarity with the basics of analytical writing including argumentation, mechanics, MLA style, grammar and punctuation.

MAENGL02 Students will demonstrate understanding of modern linguistic theories’ applications to English studies.

MAENGL03 Students will demonstrate knowledge and skills appropriate to their chosen emphases/concentrations.

**BA in Environmental Studies**

BAEVST01 Demonstrate knowledge of the Earth’s natural systems, social systems, their interaction, and their relationship to contemporary environmental issues, planning and policy.

BAEVST02 Demonstrate a general understanding of the qualitative and quantitative research methods including the ability to interpret environmental data, maps, and representations; and familiarity with modern techniques for environmental analysis.

BAEVST03 Demonstrate the ability to effectively orally communicate social and scientific concepts.

BAEVST04 Demonstrate the ability to effectively communicate social and scientific concepts through effective written communication.

**BS Geology**

BSGEOL01 Students will demonstrate general geologic knowledge pertaining to the composition, history and structure of the Earth.

BSGEOL02 Students exhibit satisfactory level of skills related to the field of Geology involving map interpretation, familiarity with scientific equipment used in site and terrain analysis, field-based observation, and lab testing.

BSGEOL03 Students will demonstrate the ability to verbally communicate a scientific topic to the general public and Earth Science professionals effectively.

BSGEOL04 Students will be able to produce professional/technical documents that present both quantitative and descriptive information in a well-structured and organized fashion.

**BS in Earth and Environmental Science**

BSEVSI01 Demonstrate the ability to effectively communicate scientific concepts through effective written communication.

BSEVSI02 Demonstrate the ability to effectively communicate scientific concepts orally.

BSEVSI03 Demonstrate knowledge, awareness and integration of the Earth’s physical (geological, atmospheric, hydrological) and biotic systems-- in the study and analysis of coupled human environmental interactions.

BSEVSI04 Demonstrate sufficient familiarity with quantitative and geospatial tools, techniques, and methods to study scientific phenomena and address environmental problems.

**BS Meteorology**

BSMETR01 Develop sufficient knowledge to describe, analyze, and forecast the three-dimensional structure, evolution, and dynamics of the atmosphere.

BSMETR02 Gain a basic understanding of the earth-climate system.

BSMETR03 Students will have practiced and developed their oral communication skills to a degree where they can effectively verbally communicate a scientific topic to the general public.

BSMETR04 Students will be able to produce professional/technical documents that present both quantitative and descriptive information in a well-structured and organized fashion.

**BS/BA Geography**

BABSGEO01 Define the major terms, concepts and theories of geography.

BABSGEO02 Demonstrate the ability to apply geographic principles and generalizations already learned to new problems and situations.

BABSGEO03 Students will be able to demonstrate their ability to apply geographic concepts to real problems and communicate the results in written format appropriate to their target audience(s).

**MA Geography**

MAGEO01 Demonstrates clear understanding of geographic principles and concepts used by professional geographers.

MAGEO02 Demonstrates ability to identify and utilize appropriate geographic research methods used by professional geographers.

MAGEO03 Demonstrates ability to effectively communicate research findings in written, oral and visual formats.

MAGEO04 Demonstrates preparedness for employment as a professional geographer.

**MS Earth Sciences**

MS-ESCI01 Demonstrates an understanding of the Earth as a physical system, and the interrelationships among lithospheric, hydrologic and atmospheric processes relevant to the research topic and the Earth Sciences in general.

MS-ESCI02 Demonstrates an understanding of professional and academic options within the context of the Earth Sciences.

MS-ESCI03 Demonstrates a mastery of one or more of the analytical techniques and research methods appropriate to the Earth Sciences.

MS-ESCI04 Demonstrates the ability to differentiate between original research and data collection and synthesis of pre-existing information, and implements the understanding in his or her research products.

MS-ESCI05 Demonstrate the ability to effectively communicate research findings through written and verbal presentations of their research project findings.

MS-ESCI06 Is prepared for employment as a professional Earth Scientist.

**PhD Geography and Urban Regional Analysis**

PHDGEO01 Demonstrate potential to conduct high-quality scholarly research in the field of geography.

PHDGEO02 Demonstrate an in-depth understanding and mastery of the theoretic framework and research methodologies in the field of geography and the student’s subfield concentration.

PHDGEO03 Conducts scholarly research and analyses focused upon a significant issue in the discipline of geography.

**MA Gerontology**

MAGRNT01 Students completing the Gerontology MA are expected to develop knowledge in the field of aging, including a thorough understanding of normal aging (biological, psychological, and sociocultural), demographics, and diversity in the aging population.

MAGRNT02 Students completing the Gerontology MA are expected to develop an understanding of the body of research literature in the field, and theories and methods used in the field.

MAGRNT03 Students completing the Gerontology MA are expected to develop both a multidisciplinary and interdisciplinary understanding.

MAGRNT04 Students completing the Gerontology MA are expected to demonstrate an understanding of the formal and informal systems of support through which we address the needs of older adults.

MAGRNT05 Students demonstrate an ability to design and carry out an independent research study or applied project and present the results in a professional context.

**BA International Studies**

BAGIAS01 Students will have an understanding of the “knowledge” relating to International Studies: a. multidisciplinary approaches b. Analyze global interdependence c. Address international issues within theoretical framework and d: critical thinking about problems.

BAGIAS02 Students will have in-depth knowledge of a particular world region, country or issue.

BAGIAS03 Students will demonstrate the ability to complete a comprehensive research paper related to the area of concentrated study and to communicate the research effectively in an oral presentation.

**Ph.D Health Psychology**

HealthPsychologyPhD01 Students demonstrate comprehensive knowledge in the discipline of Health Psychology.

HealthPsychologyPhD02 Students demonstrate comprehensive knowledge in research design and quantitative methods.

HealthPsychologyPhD03 Students demonstrate competence in technical writing and oral presentation of research findings.

HealthPsychologyPhD04 Students demonstrate understanding of interdisciplinary models and methods for addressing health issues.

HealthPsychologyPhD05 Students demonstrate a comprehensive knowledge base in their specialty area (General, Clinical, or Community).

**BA History**

BAHIST01 Students will be able to evaluate and devise sound historical scholarship.

BAHIST02 Students will be able to compose and revise a historical research paper.

BAHIST03 Students will be able to verbalize and debate historical research.

**BA Latin American Studies**

BALTAM01 Students will achieve demonstrated proficiency in stating a research problem.

BALTAM02 Students will achieve demonstrated proficiency in reviewing the appropriate literature.

BALTAM03 Students will achieve demonstrated proficiency in appropriate use of methodology.

BALTAM04 Students will achieve demonstrated proficiency in appropriate use of Writing Quality.

BALTAM05 Students will achieve demonstrated proficiency in appropriate use of Spanish and/or Portuguese.

BALTAM06 Students will achieve demonstrated proficiency in oral communication.

**MA History**

MAHIST01 Historical awareness: Master’s students should be able to situate their research topic in its historical context.

MAHIST02 Historiographical awareness: Master’s students should be able to recognize shifts in interpretation of the research topic over time and place their research within the context of larger historiographical debates related to the topic.

MAHIST03 Historical analysis: Master’s students should be able to ask pertinent historical questions as well as identify and evaluate appropriate qualitative and/or quantitative written, oral, and electronic primary and secondary sources relevant to those questions.

MAHIST04 Historical argument: Master’s students should be able to construct sound historical arguments, substantiated by the evidence at hand.

MAHIST05 Historical writing: Master’s students should be able to present their thesis clearly and professionally and support it with well- organized and properly cited evidence (primary and secondary).

**MA Latin American Studies**

MALTAM01 Students will achieve demonstrated proficiency in stating a research problem.

MALTAM02 Students will achieve demonstrated proficiency in reviewing the appropriate literature.

MALTAM03 Students will achieve demonstrated proficiency in appropriate use of methodology.

MALTAM04 Students will achieve demonstrated proficiency in quality writing.

**BA French**

BAFRENCH01 French majors will demonstrate an appropriate level of oral communication in French.

BAFRENCH02 French majors will demonstrate an appropriate level of written proficiency in French.

BAFRENCH03 Students will demonstrate exposure to key elements of the language, culture, and historical context of the French-speaking world.

**BA German**

BAGERMAN01 German majors will demonstrate an appropriate level of Oral Communication in German.

BAGERMAN02 German majors will demonstrate an appropriate level of written proficiency in German.

BAGERMAN03 German majors will demonstrate exposure to key elements of the language, culture, and historical context of the German speaking world.

**BA Japanese**

BAJAPANESE01 Students will demonstrate an acceptable level of oral communication in Japanese.

BAJAPANESE02 Students will demonstrate an appropriate level of reading, writing and listening competencies and Japanese grammatical knowledge.

BAJAPANESE03 Students will demonstrate writing ability in Japanese and cultural knowledge of Japan.

**BA Spanish**

BASPANISH01 Spanish majors will demonstrate an appropriate level of oral communication in Spanish.

BASPANISH02 Spanish majors will demonstrate an appropriate level of written proficiency in Spanish.

BASPANISH03 Student will demonstrate exposure to key elements of the language, culture, and historical context of the Spanish speaking world.

**MA Spanish**

MASPANISH01 Upon graduation, students in the LLC (Language, Literature, and Culture) track will demonstrate an appropriate and rigorous knowledge of Spanish and Spanish American literature, Spanish and Spanish American culture and Spanish linguistics.

MASPANISH02 In the LLC (Language, Literature, and Culture) track, students will demonstrate the ability to research and produce a professionally written paper in the field of Hispanic Studies, whether in Literature, Culture or Linguistics.

**MA Liberal Studies**

MALS01 Students in the MALS Program will, by the time they complete their graduate course work, be able to conduct interdisciplinary research.

MALS02 Students in the MALS Program will, by the time they complete their graduate course work, be able synthesize knowledge from a variety of liberal arts disciplines.

MALS03 Students in the MALS Program will, by the time they complete their graduate course work, demonstrate familiarity with the basics of analytical writing including argumentation, mechanics, appropriate citation style, grammar and punctuation.

**BA Mathematics**

BAMATH01 Students will be able to communicate mathematical concepts in writing with clarity and precision.

BAMATH02 Students will be able to communicate mathematical concepts orally with clarity and precision.

BAMATH03 Students will demonstrate proficiency in mathematical skills and basic field knowledge.

BAMATH04 Students will understand the nature of proof and will be able to construct valid mathematical arguments.

**BA Mathematics for Business**

BAMATH\_BUSSI01 Students will be able to communicate mathematical concepts in writing with clarity and precision.

BAMATH\_BUSSI02 Students will be able to communicate mathematical concepts orally with clarity and precision.

BAMATH\_BUSSI03 Students will demonstrate proficiency in the fundamental concepts and skills of financial mathematics.

**BS Mathematics**

BSMATH01 Students will be able to communicate mathematical concepts in writing with clarity and precision.

BSMATH02 Students will be able to communicate mathematical concepts orally with clarity and precision.

BSMATH03 Students will demonstrate proficiency in mathematical skills and basic field knowledge.

BSMATH04 Students will be able to present well-reasoned proofs of advanced results using core concepts and axioms.

**BS Mathematics for Business**

BSMATH\_BUSSI01 Students will be able to communicate mathematical concepts in writing with clarity and precision.

BSMATH\_BUSSI02 Students will be able to communicate mathematical concepts orally with clarity and precision.

BSMATH\_BUSSI03 Students will demonstrate proficiency in the fundamental concepts and skills of financial mathematics.

BSMATH\_BUSSI04 Students will demonstrate an understanding of more advanced concepts and skills in financial mathematics: present and accumulated values for various streams of cash and financial instruments, including derivatives.

**MS General Mathematics**

MS\_MATH01 Students will develop mathematical reasoning and analytical problem solving abilities.

**PhD Applied Mathematics**

PHD\_MATH01 Students will demonstrate their mastery of basic mathematical knowledge and skills.

PHD\_MATH02 Students will demonstrate their ability to effectively conduct and engage collegiately in a successful program of substantial original research.

PHD\_MATH03 Students will demonstrate their competency to conduct original research by writing and defending a dissertation representing a substantial and effective contribution to the mathematical research literature.

**PhD Organizational Science**

PHD\_ORGBR01 Organizational Science graduate students will demonstrate understanding of OS content knowledge germane to their areas of focus and be able to integrate that knowledge effectively.

PHD\_ORGBR02 Organizational Science graduate students will demonstrate strong research skills and abilities.

**BA Philosophy**

BA\_PHILO01 Ability to construct an argument

BA\_PHILO02 Ability to analyze an argument

BA\_PHILO03 Comprehension of philosophical texts and issues

BA\_PHILO04 Philosophical writing ability

BA\_PHILO05 Oral Communication

**MA Ethics and Applied Philosophy**

MAEAP01 The graduate student will demonstrate knowledge and understanding of Ethics and Applied Philosophy.

MAEAP02 The graduate student will produce a cogent, logically structured line of reasoning.

**BA Physics**

BAPHYS01 To demonstrate that physics majors have an understanding of basic physics concepts in classical mechanics, and how to apply them in various manifestations.

BAPHYS02 To demonstrate that physics majors have an understanding of basic physics concepts in classical electricity and magnetism, and how to apply them in various manifestations.

BAPHYS04 Students will be able to demonstrate good communication skills while describing their experimental work by conveying logical arguments based on scientifically sound reasoning in the context of problem solving.

**BS Physics**

BSPHYS01 To demonstrate that physics majors have an understanding of basic physics concepts in classical mechanics, and how to apply them in various manifestations.

BSPHYS02 To demonstrate that physics majors have an understanding of basic physics concepts in classical electricity and magnetism, and how to apply them in various manifestations.

BSPHYS04 Students will be able to demonstrate good communication skills while describing their experimental work by conveying logical arguments based on scientifically sound reasoning in the context of problem solving.

**Dual Degree Programs in Engineering (BS) and Physics (BS):**

DDPHYE01 To demonstrate that physics majors have an understanding of basic physics concepts in classical mechanics, and how to apply them in various manifestations.

DDPHYE02 To demonstrate that physics majors have an understanding of basic physics concepts in classical electricity and magnetism, and how to apply them in various manifestations.

DDPHYE03 To demonstrate that dual degree majors can successfully identify all requirements and specifications of the design of a real-world engineering project while ensuring that the design’s concept of operations is sensible and grounded in scientific thought.

**MS Applied Physics**

MSAPPPHY01 Students will be able to demonstrate knowledge of fundamental physical principles as they apply to macroscopic and microscopic systems, which comprise of classical and quantum mechanics, electromagnetism and statistical physics.

MSAPPPHY02 Students will be able to demonstrate good technical writing skills to convey logical arguments based on scientifically sound reasoning in the context of problem solving.

MSAPPPHY03 Students will be able to demonstrate good communication while defending their work by conveying logical arguments based on scientifically sound reasoning in the context of problem solving.

**MS Optical Science and Engineering**

MSOSE01 Students will be able to demonstrate knowledge of principles of geometrical and physical optics, mathematics, optical properties of materials and electromagnetic wave theory.

MSOSE02 Students will be able to demonstrate good technical writing skills to convey logical arguments based on scientifically sound reasoning in the context of problem solving.

MSOSE03 Students will be able to demonstrate good communication while defending or describing their work by effectively conveying logical arguments based on scientifically sound reasoning in the context of problem solving.

**PhD Optical Science and Engineering**

PHDOSE01 Students will be able to demonstrate knowledge of principles of geometrical and physical optics, mathematics, optical properties of materials and electromagnetic wave theory.

PHDOSE02 Students will be able to demonstrate good technical writing skills to convey logical arguments based on scientifically sound reasoning in the context of problem solving.

PHDOSE03 Students will be able to demonstrate good communication while defending their work by conveying logical arguments based on scientifically sound reasoning in the context of problem solving.

**BA Political Science**

BAPS01 Students should have an understanding of the fundamental concepts, terms, and principles of the discipline, including concepts from the sub-fields of American politics, international politics, and comparative politics.

BAPS02 Students should be able to apply analytic skills to a specific research question or public issue.

BAPS03 Students should be able to explain a political science topic clearly in written English, using appropriate language and grammar and presenting the line of argument in a logical manner.

BAPS04 Students should be able to explain a political science topic clearly in spoken English, using appropriate oral communication skills to present substantive information in a coherent manner.

**MPAD Public Administration**

MPAD01 Students will demonstrate an ability to assess and think critically about important management and/or policy problems in the public and/or nonprofit sectors.

MPAD02 Students will demonstrate the ability to perform at a satisfactory level in a professional management, administrative, or policy setting.

MPAD03 Students will be able to use appropriate research methods for the management and analysis of information.

MPAD04 Students will be able to communicate effectively in written form.

MPAD05 Students will be able to communicate effectively in oral form.

**BA/BS Psychology**

PSYCBS01 Graduate majors will possess a basic knowledge of the science of Psychology.

PSYCBS02 Graduate majors will demonstrate acceptable oral communications skills in the science of Psychology.

PSYCBS03 Graduate majors will demonstrate acceptable written communications skills in the science of Psychology.

PSYCBS04 Graduate majors will demonstrate acceptable knowledge of research methodology in the science of Psychology.

**MA Clinical and Community Psychology**

MAPSYC02 Graduate Master’s level psychologists will have the knowledge and skills needed for employment and/or Ph.D level training: Advanced research skills.

**MA Industrial and Organizational Psychology**

PSYCMAIO01 Students enrolled in this program will demonstrate broad, comprehensive knowledge of key issues, theories, and practices in the field of Industrial and Organizational Psychology.

**PhD Public Policy**

PHDPP01 PPOL students will demonstrate basic proficiency in the core curriculum areas of public policy. Specifically this will include the nature of the field, quantitative analysis, economic analysis, and the integration of these elements of the core curriculum.

PHDPP02 Public Policy students will demonstrate an understanding of content knowledge central to their chosen policy field.

PHDPP03 Public Policy graduate students will demonstrate their competency to conduct successful public policy research.

**BA Religious Studies**

BARELS01 Examine the historical, cultural, and textual dimensions of religion using the methods and approaches of the academic study of religions.

BARELS02 Recognize the integral role of religion in cultures, especially as it relates to issues of race, class, gender, ethnicity, sexuality, identity, and power.

BARELS03 The ability to engage in self-reflective, open, informed, and civil conversation about diverse religious traditions.

BARELS04 Develop transferable skill sets that include reading carefully, writing cogently, speaking effectively, and thinking critically.

**MA Religious Studies**

MARELS01 Basic knowledge of the theory and methods of the academic study of religions.

MARELS02 Ability to formulate a thesis and present relevant logical evidence in support thereof.

MARELS03 Ability to write clearly and make use of primary sources with proper documentation style.

MARELS04 Ability to present a thesis orally and respond to critical discussion from graduate students and graduate faculty.

**BA Sociology**

BASOCY01 Sociology majors will demonstrate an understanding of the fundamental concepts of theories and research methods in sociology.

BASOCY02 Sociology majors will demonstrate general oral communication skills.

BASOCY03 Sociology majors will demonstrate general written communication skills.

**MA Sociology**

MASOCY01 Graduate students should be able to apply the sociological literature to a particular social problem or issue.

MASOCY02 Sociology graduate students will develop methodological skills to better understand social problems/issues.

MASOCY03 Sociology graduate students will develop their written and oral communication skills.