## 2013-14 List of Student Learning Outcomes/Objectives

### UNDERGRADUATE LEARNING OUTCOMES

#### Accounting, B.S.

1. Students will demonstrate a proficiency in financial accounting and governmental accounting concepts.
2. Students will demonstrate proficiency in auditing concepts.
3. Students will demonstrate a proficiency in individual income taxation concepts.
4. Students will demonstrate proficiency in cost/managerial accounting concepts.
5. Students will demonstrate the effective use of computers and information technology.
6. Students will demonstrate proficiency in conducting auditing, financial accounting, and tax research.

#### Biological Sciences, B.S.

1. Acquire fundamental concepts in the fields of organismal biology, evolutionary biology, genetics, and ecology.
2. Achieve satisfactory adjustment to the university learning environment.
3. Learn core concepts of cellular and molecular biology.
4. Attain broad mastery of advanced concepts across the breadth of topics and levels of organization in the biological sciences.

### POST-BACCALAUREATE OUTCOMES

#### Accounting, M.S.

1. Students will receive a high quality accounting education that will allow them to pursue, or advance in, accounting, business, or related careers.
2. MS Accounting students will demonstrate business planning acumen.
3. Students will demonstrate proficiency in conducting accounting research and in writing.

#### Tax Accounting, M.S.

1. Students will receive a high quality accounting education that will allow them to pursue, or advance in, accounting, business, or related careers.
2. MS Accounting students will demonstrate business/tax planning acumen.
3. Students will demonstrate proficiency in conducting tax research and in writing.

#### Biological Sciences, M.S.

1. Be able to present effective oral and visual summaries of independent research.
2. Orally present a thesis to a general scientific audience.
3. Present and defend a written thesis to a specialized audience.
4. Learn and apply concepts and experimental approaches in a specific area of biology appropriate to the student's interests.
### 2013-14 List of Student Learning Outcomes/Objectives

<table>
<thead>
<tr>
<th>UNDERGRADUATE LEARNING OUTCOMES</th>
<th>POST-BACCALAUREATE OUTCOMES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Integrative Biology, Ph.D.</strong></td>
<td></td>
</tr>
<tr>
<td>1. Learn concepts and experimental approaches in a variety of areas of biology.</td>
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</tr>
<tr>
<td>2. Be able to present effective oral and visual summaries of independent research.</td>
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</tr>
<tr>
<td>3. Orally present a proposal for dissertation research to a general scientific audience.</td>
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</tr>
<tr>
<td>4. Present and defend a written proposal for dissertation research to a specialized audience.</td>
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<tr>
<td>5. Learn, apply, and integrate concepts and experimental approaches from specific areas of biology appropriate to the student's interests.</td>
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<tr>
<td><strong>Business Administration, B.S.</strong></td>
<td></td>
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<tr>
<td>1. Students will possess quantitative and technological skills and competencies enabling them to analyze and interpret business data and prepare them for the rigors of today's business world.</td>
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<tr>
<td>2. Students will possess the competencies that will prepare them for the rigors of today's business world.</td>
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<tr>
<td>3. Students will be able to communicate in written form in such a way as to demonstrate their ability to present information clearly, logically.</td>
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<tr>
<td><strong>Management, B.S.</strong></td>
<td></td>
</tr>
<tr>
<td>1. Students will learn to apply management concepts effectively and to integrate knowledge from other business disciplines in their</td>
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<tr>
<td>2. Students will learn to apply management concepts effectively in real situations.</td>
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<tr>
<td>3. Students will learn effective management and leadership skills.</td>
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<tr>
<td>4. Perform and annual review of course content and increase the</td>
<td></td>
</tr>
<tr>
<td><strong>Business Administration, M.B.A.</strong></td>
<td></td>
</tr>
<tr>
<td>1. Students will be able to make the appropriate decisions involving Operations Management.</td>
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<tr>
<td>2. Students will be able to make the appropriate decisions involving Human Resources Management.</td>
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<tr>
<td>3. Students will be able to make the appropriate decisions in Financial Management.</td>
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<tr>
<td>4. Students will be able to make the appropriate decisions in Strategic Planning &amp;</td>
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<tr>
<td>5. Students will be able to make the appropriate decisions in Financial Analysis.</td>
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<tr>
<td>6. Students will be able to make the appropriate decisions in Marketing Management.</td>
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</tr>
</tbody>
</table>
2013-14 List of Student Learning Outcomes/Objectives

UNDERGRADUATE LEARNING OUTCOMES

Marketing, B.S.

1. Students will possess core marketing fundamentals as identified in the MKT 3501 learning objectives (see 3501 syllabi).
2. Undergraduate marketing majors will acquire high quality training in marketing that prepares them for their careers.
3. Undergraduate marketing majors will be able to successfully communicate marketing knowledge in written form.

Chemistry, B.S.

1. Students will demonstrate proficiency in general chemistry content.
2. Students demonstrate ability to work effectively in multi-disciplinary teams.
3. Students are able to conduct independent research and are savvy consumers of published research.
4. Students will be prepared to enter graduate programs in chemistry or related areas of study.

POST-BACCALAUREATE OUTCOMES

Chemistry - Non Thesis Option, M.S.

1. Graduate students will acquire an advanced understanding of concepts in physical chemistry.
2. Graduate students will acquire an advanced understanding of concepts in a minimum of 2 subdisciplines outside of physical chemistry (Analytical, Biochemistry, Inorganic, Organic, Materials, Medicinal) through completion of graduate level coursework.
3. Graduate students will be able to explain in technical written and oral formats an advanced understanding of a current topic in the chemical literature.
4. The department will maintain high graduate student satisfaction with the program.
### 2013-14 List of Student Learning Outcomes/Objectives

**UNDERGRADUATE LEARNING OUTCOMES**

**POST-BACCALAUREATE OUTCOMES**

**Chemistry - Thesis Option, M.S.**

1. Graduate students will acquire an advanced understanding of concepts in areas related to their thesis research and area of specialty.
2. Graduate students will acquire an advanced understanding of concepts in physical chemistry and a minimum of 2 subdisciplines outside of physical.
3. Graduate students will develop skills to be competent instructors of undergraduate students.
4. Graduate students will be able to explain in technical written and oral formats an advanced understanding of a current topic in the chemical literature.
5. The department will maintain high graduate student satisfaction with the program.

**Civil Engineering, B.S.**

3. Graduates will exhibit an ability to design a system, component or process to meet desired needs within realistic constraints: economic, political, environmental, social, ethical, health and safety,
4. Graduates will demonstrate an ability to identify, formulate, and solve engineering problems
5. Graduates will exhibit an understanding of professional and ethical responsibility
6. Graduates will demonstrate an ability to use the techniques, skill, and modern engineering tools necessary for engineering practice

**See below--Engineering and Applied Science, Ph.D. For Chemistry Ph.D. and Civil Engineering Ph.D.**
### 2013-14 List of Student Learning Outcomes/Objectives

#### UNDERGRADUATE LEARNING OUTCOMES

**Computer Science, B.S.**

1. Acquire and exhibit understanding of the fundamental concepts and processes in software design and development, essential grasp of computing systems, and facility in an applied or theoretical area of
2. Acquire adequate preparation for a technical computer-related career in business or industry, or for graduate study in computer
3. Acquire adequate preparation for employment in the information technology and software industry.
4. Acquire appreciation for, and understanding of, ethical, legal, security, and social issues involving computing.

**Computer Science, M.S.**

1. Acquire knowledge of an advanced area of computing and be able to communicate the acquired knowledge in written form.
2. Acquire knowledge of an advanced area of computing and be able to communicate the acquired knowledge in oral form.
3. Acquire adequate preparation for doctoral study in computer science.

**Early Childhood Education, B.S.**

1. Demonstrate content knowledge in early childhood education.
2. Demonstrate appropriate dispositions to be an effective early childhood educator.
3. Demonstrate ability to design, implement and evaluate effective early childhood curriculum and instruction.

**Elementary Education - Grades 1-5, B.S.**

1. Demonstrate content knowledge in Elementary Education
2. Demonstrate appropriate dispositions to be an effective elementary
3. Demonstrate ability to design, implement and evaluate effective elementary curriculum and instruction.

**Counselor Education, M.Ed.**

1. Students will obtain from the literature of the field current theoretical knowledge in the core areas of counseling.
2. Students will develop identities as professional counselors.
3. Students will be exposed to issues in multicultural counseling.
4. Graduates will secure professional positions in counseling and counselor education.
5. Master's students will be exposed to current research and professional literature
### UNDERGRADUATE LEARNING OUTCOMES

#### Elementary Education - Integrated/Merged Option, B.S.
1. Demonstrate knowledge in Special Education: Mild/Moderate Disabilities
2. Demonstrate appropriate dispositions to be an effective special educator in mild/moderate disabilities
3. Demonstrate the ability to design, deliver, and evaluate instruction to positively impact student learning

#### Secondary Education - Grades 6-12, B.S.
1. Demonstrate content knowledge
2. Demonstrate appropriate dispositions to be an effective secondary teacher.
3. Demonstrate ability to design, implement and evaluate effective secondary curriculum and instruction.

### POST-BACCALAUREATE OUTCOMES

#### Counselor Education, Ph.D.
1. Doctoral students will be prepared to assume leadership roles in the counseling and counselor education professions.
2. Doctoral students will learn research skills.
3. Doctoral students will develop skills in clinical counseling supervision and in advanced counseling practice during their academic programs.
4. Graduates will secure professional positions in counseling and counselor education.

#### Curriculum and Instruction, M.A.T.
1. Demonstrate content knowledge in certification area.
2. Demonstrate appropriate dispositions to be an effective teacher.
3. Demonstrate ability to design, implement and evaluate effective curriculum and instruction.

#### Curriculum and Instruction, M.Ed.
1. Demonstrate understanding of the development and use of educational research to improve instruction.
2. Demonstrate advanced knowledge of specialty area.
3. Demonstrate quality writing in areas of elaboration, organization, and convention.
### 2013-14 List of Student Learning Outcomes/Objectives

#### UNDERGRADUATE LEARNING OUTCOMES

<table>
<thead>
<tr>
<th>Curriculum and Instruction, Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Demonstrate understanding of the development and use multiple types of educational research.</td>
</tr>
<tr>
<td>2. Demonstrate ability to understand and write about content knowledge in area of concentration</td>
</tr>
<tr>
<td>3. Demonstrate the ability to design and conduct effective academic research.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Educational Administration, Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. All graduates will complete a research project of publishable quality by graduation as judged by a jury of faculty members.</td>
</tr>
<tr>
<td>2. All students will demonstrate a specialized knowledge of the scholarship in the field of school leadership or higher education.</td>
</tr>
<tr>
<td>3. Students will demonstrate the ability to analyze, evaluate, and take a position on a current issue of practice in the field of school leadership or higher education</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Educational Leadership, M.Ed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Students will demonstrate standards-relevant knowledge believed necessary for competent professional practice.</td>
</tr>
<tr>
<td>2. Students will apply theory to problems of professional practice in educational settings.</td>
</tr>
<tr>
<td>3. Students will demonstrate appropriate dispositions to be an effective school leader.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Special Education, M.Ed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Demonstrate ability to design and implement an applied project.</td>
</tr>
<tr>
<td>2. Demonstrate ability to articulate a philosophy statement related to their area of special education.</td>
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<tr>
<td>3. Demonstrate ability to articulate evidence-based practices.</td>
</tr>
</tbody>
</table>
# 2013-14 List of Student Learning Outcomes/Objectives

## UNDERGRADUATE LEARNING OUTCOMES

<table>
<thead>
<tr>
<th>Special Education, Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Demonstrate competency in research, personnel preparation, and systems via products and activities in portfolio that reflect the first stage of the doctoral program</td>
</tr>
<tr>
<td>2. Demonstrate competency in research, personnel preparation, and systems via products and activities in portfolio that reflect the second stage of the doctoral program</td>
</tr>
<tr>
<td>3. Demonstrate ability to write a presentation proposal that is accepted and presented at a state or national conference</td>
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<tr>
<td>4. Complete a high quality dissertation</td>
</tr>
</tbody>
</table>

## POST-BACCALAUREATE OUTCOMES

<table>
<thead>
<tr>
<th>Creative Writing Workshop, M.F.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Students will learn to produce high quality work in their genres: fiction writing, poetry, nonfiction writing, screenwriting, playwriting</td>
</tr>
<tr>
<td>2. Students will learn the skills of professional editing, skills that are taught, along with writing in the core workshops.</td>
</tr>
<tr>
<td>3. CWW graduates will learn to produce book-length manuscripts in their genres.</td>
</tr>
<tr>
<td>4. Students will develop analytic expertise in their genres. Students will be able to identify and analyze elements in their genre (in fiction, for example: plot</td>
</tr>
<tr>
<td>5. All students will learn to identify characteristics of English grammar, mechanics, and usage and apply them to their own and to the texts of others.</td>
</tr>
</tbody>
</table>
## 2013-14 List of Student Learning Outcomes/Objectives

### UNDERGRADUATE LEARNING OUTCOMES

**Earth and Environmental Sciences, B.S.**

1. Students will acquire fundamental concepts in areas of earth surface morphology, mineralogy, earth history and evolution, environmental science, and surface and subsurface earth processes.

2. Students will be able to construct and effectively present information and concepts visually and verbally through oral PowerPoint presentations.

3. Students will be able to explain earth and environmental sciences concepts and present and interpret data in technical writing format by their date of graduation.

**Earth and Environmental Sciences, M.S.**

1. EES Graduate students will acquire an advanced understanding of concepts in areas related to their thesis research and area of specialty.

2. EES Graduate students will be able to construct and effectively competently present Earth and Environmental Science information and concepts information and concepts visually and verbally through oral PowerPoint presentations.

3. EES Graduate students will be able to explain in technical written format an advanced understanding of concepts in areas related to their thesis research and area of specialty.

4. The department of EES will maintain high graduate student satisfaction with the program.

**Electrical Engineering, B.S.**

1. Ability to apply knowledge of mathematics, science, and engineering

2. Knowledge of advanced mathematics including differential equations, linear algebra, and discrete mathematics

3. Ability to use the techniques, skill, and modern Electrical Engineering tools necessary for Electrical Engineering practice

4. Ability to identify, formulate, and solve Electrical Engineering problems

**Engineering, M.S.**

1. Ability to apply basic engineering concepts as demonstrated by the results of successfully doing well in graduate level courses.

2. Ability to perform engineering research

3. Ability to complete engineering projects in realistic environment.

4. Ability to communicate effectively.
2013-14 List of Student Learning Outcomes/Objectives

UNDERGRADUATE LEARNING OUTCOMES

POST-BACCALAUREATE OUTCOMES

Engineering and Applied Science, Ph.D.

This is an interdisciplinary doctoral degree that spans 7 programs in engineering and sciences: engineering management, civil engineering, electrical engineering, mechanical engineering, earth and environmental sciences, chemistry, computer sciences, mathematics, physics, and naval and marine architecture,

1. Ability to apply basic engineering and scientific concepts from the literature as demonstrated by the results of the Qualifying Procedures
2. Ability to apply advanced concepts, both Colleges to develop Ph.D. Research
3. The candidate will have the approval of the Ph.D. Dissertation Committee for the scope of the Ph.D. Dissertation
4. Ability to perform advanced engineering and/or science research
5. Ability to publish research
6. Final approval of the Ph.D.

Engineering Management, M.S.

1. Demonstrate knowledge of engineering management methods for use in technology organizations.
2. Demonstrate knowledge of technical organizations at a strategic level, and the role and practices of the various business functions.
3. Demonstrate the ability to use modern tools for effective engineering management.
4. Demonstrate the ability to communicate effectively.
5. Demonstrate the ability to conduct research in engineering management theory or practice.
## 2013-14 List of Student Learning Outcomes/Objectives

### UNDERGRADUATE LEARNING OUTCOMES

<table>
<thead>
<tr>
<th>English, B.A.</th>
<th>English, M.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Students will develop a broad knowledge of British and American literary history.</td>
<td>1. Students will have advanced, comprehensive knowledge—mastery of the field of English Studies.</td>
</tr>
<tr>
<td>2. Students will develop effective skills in research and literary analysis.</td>
<td>2. Students will develop advanced research skills.</td>
</tr>
<tr>
<td>3. Students will develop advanced writing skills.</td>
<td>3. Students will develop advanced analytical skills.</td>
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<tr>
<td>4. Students will develop advanced writing skills.</td>
<td>4. Students will develop advanced writing skills.</td>
</tr>
</tbody>
</table>

### Film and Theatre - Theatre Arts Course of Study, B.A.

1. Theatre Arts option students will have a basic skill level in technical areas of theatre.
2. Theatre Arts option students will have a basic understanding of theatre literature.
3. Theatre Arts option students will have a basic understanding of theatre performance.
4. Department will maintain a high level of satisfaction with the overall Theatre Arts option program.

### Film and Theatre - Writing for Production Course of Study, B.A.

1. Writing for Production students will have a basic understanding of both Film and Theatre.
2. Writing for Production students will have a basic understanding of creative writing expression.
3. Writing for Production students will have advanced work recognized.
4. Department will maintain a high level of satisfaction with the overall Writing for Production option program.

### Theatre Design, M.F.A.

1. Theatre Design MFA students will learn creative skills in the art of theatre design.
2. Theatre Design MFA students will demonstrate competency in a broad spectrum of theatre theory and production.
3. Theatre Design MFA students will have a creative Film arts understanding.
4. Department will maintain a high level of satisfaction with the overall Theatre Design MFA program.

### Theatre Performance, M.F.A.

1. Theatre MFA Performance students will develop their acting/directing techniques.
2. Theatre MFA Performance students will be able to apply theory in written and oral form.
3. Theatre MFA Performance students will be able to apply knowledge of their specialty within the discipline of film.
4. Department will maintain a high level of satisfaction with the overall Theatre MFA Performance program.
2013-14 List of Student Learning Outcomes/Objectives

UNDERGRADUATE LEARNING OUTCOMES

Film Arts, B.A.
1. Film Arts option students should have a fundamental knowledge of film production.
2. Film Arts option students must have a fundamental understanding of film aesthetics and theory.
3. Provide exceptional Film Arts option students with assistance and encouragement to pursue opportunities for advanced degrees and/or
4. Department will maintain a high level of satisfaction with the overall Film Arts option track.

Financial Economics, Ph.D.
1. All students should demonstrate core knowledge of Financial Economics.
2. All students should demonstrate advanced knowledge of the literature of Financial Economics.
3. All students should demonstrate the ability to do original research in Financial Economics.

Film Production, M.F.A.
1. Film MFA students will demonstrate competency in a broad spectrum of film theory and production
2. Film production MFA students will be able to complete a film project from inception to final cut.
3. Film MFA students will have a creative Theatre arts understanding.
4. Department will maintain a high level of satisfaction with the overall Film production MFA program.

Finance, B.S.
1. Students will understand basic concepts in finance.
2. Students will demonstrate the ability to use ethics in financial decision making.
3. Ability to solve financial problems.

Healthcare Management, M.S.
1. Students will demonstrate knowledge of basic business concepts as identified in the learning objectives of each of the core classes in the program
2. Students will demonstrate the ability to communicate business concepts orally
3. Students will demonstrate the ability to communicate business concepts in a written report.
# 2013-14 List of Student Learning Outcomes/Objectives

## UNDERGRADUATE LEARNING OUTCOMES

### History, B.A.
1. History majors will demonstrate broad understanding of the history discipline by gaining a solid foundation in both US and World History.
2. B.A. recipients will exhibit the skills necessary for historical analysis via written and oral narrative.
3. History majors will produce scholarly material by engaging with both primary and secondary sources.

### Hotel, Restaurant and Tourism Management, B.S.
1. Students will understand industry expectations for employees of the hospitality and tourism industry.
2. Students will demonstrate the effective use of computers and information technology.
3. Students will demonstrate effective written communications skills.
4. Students will demonstrate effective problem solving skills.
5. Students will demonstrate effective oral communications skills.
6. The School of HRT will provide students with skills and competencies that prepare them for a career in the hospitality and tourism industry.

## POST-BACCALAUREATE OUTCOMES

### History, M.A.
1. Graduate students will demonstrate an advanced understanding of historical knowledge and scholastic skills.
2. Graduate students will be active participants within the historical & academic community, thereby building scholastic skills and preparing them for further history-related graduate training and careers in history-related fields.
3. Graduate students will produce scholarly material that incorporates their advanced understanding of historical knowledge and scholastic skills.

### Hotel, Restaurant and Tourism Management, M.S.
1. Students will develop an advanced understanding of how to communicate
2. Students will demonstrate competency in marketing skills that are pertinent to the hospitality and tourism industry.
3. Students will develop an advanced understanding of research methods and their application in the hospitality and tourism industry.
4. Students will demonstrate effective written communications skills.
5. Students will demonstrate effective oral communications skills.
6. Students will demonstrate effective problem solving skills.
### UNDERGRADUATE LEARNING OUTCOMES

1. Students will acquire fundamental concepts in areas of calculus, linear algebra, abstract algebra, and additional topics.
2. Students will be able to construct and effectively present information and concepts visually and verbally through oral PowerPoint.
3. Students will be able to explain mathematical concepts in technical writing format by their date of graduation.
4. Students will express satisfaction with the academic program.

### POST-BACCALAUREATE OUTCOMES

1. Graduate students will acquire an advanced understanding of concepts gleaned from the literature in areas related to their thesis research and/or area of specialty.
2. Graduate students will be able to construct and effectively present information and concepts visually and verbally through oral presentations.
3. Graduate students will be able to explain mathematical concepts in technical writing format to demonstrate their advanced understanding of concepts in areas.
4. The department will maintain high graduate student satisfaction with the program.

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### Mathematics, B.S.

1. Students will acquire fundamental concepts in areas of calculus, linear algebra, abstract algebra, and additional topics.
2. Students will be able to construct and effectively present information and concepts visually and verbally through oral PowerPoint.
3. Students will be able to explain mathematical concepts in technical writing format by their date of graduation.
4. Students will express satisfaction with the academic program.

### Mathematics, M.S.

1. Graduate students will acquire an advanced understanding of concepts gleaned from the literature in areas related to their thesis research and/or area of specialty.
2. Graduate students will be able to construct and effectively present information and concepts visually and verbally through oral presentations.
3. Graduate students will be able to explain mathematical concepts in technical writing format to demonstrate their advanced understanding of concepts in areas.
4. The department will maintain high graduate student satisfaction with the program.

### Mechanical Engineering, B.S.

1. Graduates will demonstrate an ability to apply knowledge of mathematics, science and engineering.
2. Graduates will demonstrate an ability to design and conduct experiments, as well as to analyze and interpret data.
3. Graduates will demonstrate an ability to design a system, component, or process to meet desired needs within realistic constraints.
4. Graduates will demonstrate an ability to identify, formulate, and solve engineering problems.
5. Graduates will demonstrate an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

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### 2013-14 List of Student Learning Outcomes/Objectives

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<th>POST-BACCALAUREATE OUTCOMES</th>
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<tbody>
<tr>
<td><strong>Music Studies, B.A.</strong></td>
<td><strong>Music, M.M.</strong></td>
</tr>
<tr>
<td>1. Students shall be able to demonstrate analytical and critical thinking skills when writing about music.</td>
<td>1. Students shall be able to demonstrate analytical and critical thinking skills when writing about music.</td>
</tr>
<tr>
<td>2. Students will be able to communicate musical knowledge through oral skills.</td>
<td>2. Students will be able to communicate musical knowledge through oral skills.</td>
</tr>
<tr>
<td>3. Students will be able to identify important musical works in historical context.</td>
<td>3. Students will be able to identify important musical works in historical context.</td>
</tr>
<tr>
<td>4. Students will be able to create high quality music.</td>
<td>4. Students will be able to create high quality music.</td>
</tr>
</tbody>
</table>

### Naval Architecture and Marine Engineering, B.S.

1. Ability to apply knowledge of mathematics, science and engineering
2. Ability to use the techniques, skill, and modern engineering tools necessary for engineering practice
3. Ability to identify, formulate, and solve engineering problems
4. Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental,
5. Basic knowledge of fluid mechanics, dynamics, structural mechanics, material properties, hydrostatics and energy/propulsion systems in the context of marine vehicles

See above--Engineering and Applied Science, Ph.D.
## 2013-14 List of Student Learning Outcomes/Objectives

### UNDERGRADUATE LEARNING OUTCOMES

#### Physics, B.S.
1. Acquire advanced concepts in classical mechanics, electricity and magnetism, quantum mechanics and thermodynamics.
2. Be able to communicate scientific knowledge in oral and written form.
3. Be able to effectively conduct experimental or computational research including data acquisition and analysis.

#### Political Science, B.A.
1. Graduates will have a basic understanding of political science, political processes, and the role of politics in social affairs.
2. Students will demonstrate ability to quantitatively analyze political information.
3. Graduates will have knowledge of politics outside the United States.

### POST-BACCALAUREATE OUTCOMES

#### Political Science, M.A.
1. All graduates will have a demonstrated knowledge of the literature, research tools and methodologies necessary to analyze political information at an advanced level.
2. All graduates will have an understanding of domestic or foreign political processes and the ability to present their findings in mature academic writing.
3. The Department of Political Science will prepare MA students for doctoral study in political science and/or related fields of study.

#### Political Science Ph.D.
1. All Ph.D. graduates will have a demonstrated knowledge of the research tools and methodology necessary to gather political information and analyze it at an advanced level.
2. All Ph.D. graduates will have an understanding of three fields in domestic and/or foreign political processes and the ability to communicate their findings to academic and other professional audiences.
3. All graduates will be able to present a professional lecture on a current research topic.
4. Produce Ph.D. students who are well trained to teach at the college level.

#### See above--Engineering and Applied Science, Ph.D.
## 2013-14 List of Student Learning Outcomes/Objectives

### UNDERGRADUATE LEARNING OUTCOMES

**Psychology, B.S.**
1. The department’s undergraduate majors will attain a broad based knowledge of the field of psychology.
2. Undergraduate majors will be proficient in the production and communication of empirical research. Graduates will be able to design a data collection strategy, collect and analyze data, and write a report of the findings in APA format.
3. The department will produce undergraduate majors who have focused training in psychology across 3 areas defined by American Psychological Association guidelines as core to undergraduate training: 1) Developmental; 2) Clinical, Abnormal, and Personality; 3) Sensation Perception, Physiology, & Comparative.

### POST-BACCALAUREATE OUTCOMES

**Psychology, M.S.**
1. Graduate students who complete the MS degree will continue into the UNO doctoral program.
2. Graduate students who complete the MS degree will develop the skills and knowledge to be able to complete a research project of publishable quality.
3. Graduate students who complete the MS degree will develop the ability to communicate psychological knowledge.

**Psychology, Ph.D.**
1. Graduate students will develop the skills and knowledge to be able to complete a research project of publishable quality.
2. Graduate students will develop the ability to communicate psychological knowledge.
3. Graduate training will enable all graduating doctoral students to obtain employment that meets their career objectives.
### 2013-14 List of Student Learning Outcomes/Objectives

#### UNDERGRADUATE LEARNING OUTCOMES

**Public Administration, M.P.A.**

1. The program will ensure that all MPA graduates will have acquired the basic skills and knowledge required to function as leaders in the public and/or not-for-
2. Students will demonstrate competence in conducting research in the discipline
3. Student demonstrates they can: Formulate a mission statement for an organization  Analyze the structure of an organization using appropriate theories and concepts  Understand how important contextual factors (internal and external) influence management within the organization

**Romance Languages, B.A.**

1. The students shall demonstrate high quality training in the French or Spanish language
2. The students shall demonstrate an understanding and appreciation of French or Spanish literature and the ability to communicate it, orally and in writing, in both English and French/Spanish.
3. The students shall demonstrate an awareness of the culture of France and the francophone world/Spain and Spanish speaking world and the ability to communicate this awareness in English and in French/Spanish.

#### POST-BACCALAUREATE OUTCOMES

**Public Administration, M.P.A.**

1. The program will ensure that all MPA graduates will have acquired the basic skills and knowledge required to function as leaders in the public and/or not-for-
2. Students will demonstrate competence in conducting research in the discipline
3. Student demonstrates they can: Formulate a mission statement for an organization  Analyze the structure of an organization using appropriate theories and concepts  Understand how important contextual factors (internal and external) influence management within the organization

**Romance Languages, M.A.**

1. The students will acquire advanced training in French and Spanish (linguistics, literatures, civilizations), and in compared Romance languages and cultures.(non-thesis option)
2. The students will acquire advanced training in French and Spanish (linguistics, literatures, civilizations), and in compared Romance languages and cultures.(thesis option)
2013-14 List of Student Learning Outcomes/Objectives

UNDERGRADUATE LEARNING OUTCOMES

<table>
<thead>
<tr>
<th>Sociology, B.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Students will learn the basic theoretical and methodological paradigms in sociology and how they are applied in various substantive areas of the discipline.</td>
</tr>
<tr>
<td>2. Students will learn concrete skills related to community and social service activities</td>
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<tr>
<td>3. Students will learn how to design and execute their own sociological research projects.</td>
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<tr>
<td>4. Students will learn how to critically evaluate and analyze scholarly and policy oriented research reports</td>
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<tr>
<td>5. Students will learn knowledge and skills necessary to pursue advanced degrees</td>
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</tbody>
</table>

POST-BACCALAUREATE OUTCOMES

<table>
<thead>
<tr>
<th>Sociology, M.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Students will demonstrate advanced knowledge of the literature and analytical skills in core theoretical and methodological paradigms and within at least one substantive area of specialization.</td>
</tr>
<tr>
<td>2. Students are able to employ a range of techniques and methods used to gain sociological knowledge.</td>
</tr>
<tr>
<td>3. Students will learn research and analytical skills useful to find professional employment and to gain acceptance in Ph.D. programs of their choice</td>
</tr>
<tr>
<td>4. Graduates will be critical readers of both basic and applied sociological research.</td>
</tr>
</tbody>
</table>
## 2013-14 List of Student Learning Outcomes/Objectives

### UNDERGRADUATE LEARNING OUTCOMES
**Studio Art Option**

1. Students will demonstrate an understanding of art studio practices, concepts and theories, and critical understanding in at least one of the studio disciplines offered as a concentration. (Painting, Sculpture, Printmaking, Digital and Photography).

2. Students will demonstrate an understanding of the formal elements, processes, and critical issues in studio practice, particularly in their area of specialization. They must also demonstrate an awareness of the historical context of their creative work, particularly in their area of specialization.

3. Students finishing the degree program will produce a coherent body of creative work in their area of specialization, and for those graduates who show the ability and desire to pursue an advanced degree, the work should be of sufficient quality to satisfy the requirements for the admission to graduate school.

4. Students will participate in professional exhibition experience to prepare for a professional career.

### POST-BACCALAUREATE OUTCOMES
**Studio Art, M.F.A.**

1. Students will acquire a focused understanding of the skills, critical theories, and historical influences in one of the areas of concentration offered by the MFA curriculum (major & minor) in preparation for pursuing a career as a practicing professional artist. These areas include Photography, Painting, Printmaking, Digital Art, and Sculpture.

2. Students will demonstrate the creative and critical skills to become professional working artists or to hold a position in a related field, i.e., education, applied arts, or institutional arts (curatorial efforts, museum studies, etc.). Students will have experienced broad exposure to the current fundamental issues in the contemporary visual arts to assist students who choose to pursue a career in an arts related field, other than a professional studio practice.

3. Students will demonstrate their understanding of the processes, concepts, and context appropriate to their creative work in the context of contemporary art theory, criticism, and history.

4. Students interested in teaching will have a foundation in studio art and show aptitude in pedagogical and interactive classroom techniques.
# 2013-14 List of Student Learning Outcomes/Objectives

## UNDERGRADUATE LEARNING OUTCOMES

### Urban Studies and Planning, B.S.
1. Students will understand the environmental, economic and social processes that have shaped urbanization in and beyond the United States
2. Students will be able to read, understand and apply primary and secondary sources in urban studies
3. Understand the theory of the practice related to the student's chosen concentration.
4. Students will develop professional skills necessary to operate in public, private and non profit organizations

### Urban and Regional Planning, M.U.R.P.
1. Students will acquire knowledge through the literature of the field about the history, theory, legal framework and professional practice of urban and regional planning
2. Students will acquire practical planning experience
3. Students will acquire in depth knowledge in at least one area of concentration
4. Students will gain analytical skills applicable to planning practice
5. Students will gain professional skills applicable to planning practice

### Urban Studies, M.S.
1. Students will have knowledge about contemporary urbanization trends and major urban studies topics
2. Students will have in depth knowledge in a defined area of specialization
3. Students will be capable of reading and understanding both primary and secondary sources in urban studies
4. Students will understand both qualitative and quantitative research methods and analytical techniques
### 2013-14 List of Student Learning Outcomes/Objectives

#### UNDERGRADUATE LEARNING OUTCOMES

<table>
<thead>
<tr>
<th>Urban Studies, Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Graduates will have sufficient knowledge of urban studies for academic careers with the ability to contribute to research and teaching</td>
</tr>
<tr>
<td>2. Students will have sufficient empirical knowledge and methods for careers in applied research and policy analysis</td>
</tr>
<tr>
<td>3. Students will develop sufficient research skills and knowledge in a subfield to make an original contribution to the body of knowledge</td>
</tr>
<tr>
<td>4. Students will understand both qualitative and quantitative research methods and analytical techniques</td>
</tr>
</tbody>
</table>

#### POST-BACCALAUREATE OUTCOMES