

Student Learning Outcomes for all Departments/Programs (Spring 2016)

African American Studies:

1. The African American Studies minor will be able to demonstrate familiarity with concepts, racial perspectives, historical periods in the history and culture of African Americans in the United States through a term-long independent research project.
2. The African American Studies minor will be able to reinterpret the variety of black experiences and the rich traditions of African culture in the United States through class discussion response papers, essays and exams in required course work.

American Studies:

1. The American Studies major will be able to synthesize different perspectives on the American experience by successful completion of course assessments in the interdisciplinary course program.
2. The American Studies major will be able to use a synthesized and broad critical perspective to formulate his/her own analytical and critical inquiry by successful completion of a senior seminar or thesis.

Area Studies:

1. Area Studies majors will be able to demonstrate an informed knowledge of the history, social structure, political economy, and culture of their chosen region by completion of a senior thesis or by successful participation in at least one study abroad program in their chosen area.
2. Area Studies majors will be able to integrate the knowledge gained from courses in various disciplines by completion of a senior thesis or by successful participation in at least one study abroad program in their chosen area.

Art (Studio):

1. The Studio Art Track major will demonstrate the ability to perform effective interpretations of works of art using visual analysis. This outcome will be measured by an assessment of designated assignments in ArtH 110 and other relevant art history courses.
2. The Studio Art Track major will demonstrate a practical command of the elements and principles of art and design, effectively using various materials and techniques to approach basic formal problems and pertinent subject matter in representational, abstract and non-objective modes. This outcome will be measured by an assessment of designated assignments in Art 130, and Art 131, and/or Art 133, and/or Art 142.
3. The Studio Art Track major will demonstrate a mastery of two-dimensional materials and techniques in approaching complex formal design problems and pertinent subject matter, with an advanced level of craft and completion in a work of art. This outcome will be measured by an assessment of designated assignments in Art 230, and/or Art 231, and/or Art 250, and/or Art 331, and/or Art 335, and/or other relevant studio art courses.

4. The Studio Art Track major will demonstrate a mastery of three-dimensional materials and techniques in approaching complex formal design problems and pertinent subject matter, with an advanced level of craft and completion in a work of art. This outcome will be measured by an assessment of designated assignments in Art 233, and/or Art 236, and/or Art 333, and/or other relevant studio art courses.
5. The Studio Art Track major will demonstrate an advanced ability to work conceptually, thematically, and materially in developing works of art that relate to broader issues in the history of art and culture and to an understanding of contemporary art and design. This outcome will be measured by an assessment of designated assignments in Art 480 and other relevant studio art courses.

Art History:

1. The Art History Track major will demonstrate the ability to perform effective interpretations of works of art using visual analysis. This outcome will be measured by an assessment of designated assignments in Arth 110 and other relevant art history courses.
2. The Art History Track major will demonstrate a practical command of foundational art and design elements, principles, materials and techniques, including a fundamental understanding of value, depth and contrast. This outcome will be measured by assessment of designated assignments in Art 130 and Art 131 and/or Art 133, and/or other relevant studio art courses.
3. The Art History Track major will demonstrate an understanding of the history of art from the Ancient and/or Renaissance Era, the Early Modern Era to the turn of the 20th Century, and the 20th to the 21st Century. Student will perform historical and contextual analysis of works of art. This outcome will be measured by an assessment of designated assignments in Arth 210, and/or Arth 211, and/or Arth 212, and/or Arth 223, and/or Arth 380; and Arth 215, and/or Arth 217, and/or Arth 219, and/or Arth 224, and/or Arth 226; and Arth 218, and/or Arth 222, and/or Arth 355, and/or Arth 360; and/or other relevant art history course/s or program/s.
4. The Art History Track major will demonstrate a mastery of the means and methods of art historians, deploying effective research and reasoned analysis in rhetorically sound, clearly organized, grammatically and orthographically correct written work and accurate, convincing oral presentation. Student demonstrates an understanding of the importance of institutions in the history of art. This outcome will be measured by an assessment of designated assignments in Arth 485 and other relevant art history courses.

Asian Studies:

1. The Asian Studies major will demonstrate an appreciation and respect for the social and political complexity and cultural diversity of Asia through successful completion of assessments in required coursework.
2. The Asian Studies major will demonstrate a concrete understanding of Asia's place in the contemporary world through successful completion of assessments in required coursework.

3. The Asian Studies major will be able to command basic language skills in reading and interpreting one of the classic Asian languages through successful completion of assessments in required coursework.
4. The Asian Studies major will demonstrate critical thinking and independent research abilities in analyzing scholarly works and documents in Asian Studies through successful completion of assessments in required coursework.

Biology:

1. The biology major will be able to demonstrate familiarity with factual knowledge and fundamental theories relating to the three core subject areas that define the discipline: Organismal; Cell & Molecular; and Ecology & Evolution. Biology majors will be able to demonstrate knowledge through the successful completion of course assignments, examinations, presentations, and papers in the three core courses (Organismal Biology, Biology 120; Ecology and Evolution, Biology 220; and Cellular and Molecular; Biology 221).
2. The biology major will be able to apply quantitative techniques and analyses necessary to modeling and testing hypotheses, as well as demonstrate familiarity with basic concepts in chemistry through the successful completion of courses in Calculus (Mathematics 110), Probability and Statistics (Mathematics 150), or Reasoning and Statistical Inference (Biology 150) and Chemistry 115 (Chemistry I) and Chemistry 116 (Chemistry II).
3. The biology major will be able to demonstrate research skills including: finding and evaluating pertinent scientific information; the formulation of scientific hypotheses; tabulating data; explaining and presenting scientific information quantitatively; and understanding and critically evaluating primary research. These research skills will be demonstrated through the successful completion of course assignments, laboratory experiments, examinations, and papers in three 300-level courses chosen by students from two of the three core subject areas. Two of the three courses must include a laboratory component.
4. The biology major will be proficient in communicating ideas in spoken and written form as assessed through the successful completion of course assignments, examinations, presentations, and papers in required course work.
5. The biology major will be able to demonstrate an ability to create and contribute to the development of scientific communities through collaboration with faculty members and fellow students as demonstrated through the successful completion of course assignments, examinations, presentations, and presentations in a senior seminar or a senior thesis.

Business:

1. Business majors will be able to demonstrate the fundamentals of Microeconomic Theory (as stipulated in the department's ECON 210 Curriculum Agreement), including consumer demand, profit maximization, and competitive and non-competitive market structures by successful completion of the Microeconomic Theory Assessment Exam.
2. Business majors will be able to demonstrate the fundamentals of Macroeconomic Theory (as stipulated in the department's ECON 220 Curriculum Agreement), including macroeconomic

indicators, fiscal policy, and monetary policy by successful completion of the Macroeconomic Theory Assessment Exam.

3. Business majors will be able to demonstrate the fundamentals of Accounting (as stipulated in the department's BUSN 230 Curriculum Agreement), including credits, debits, balance sheets, and other financial accounting topics by successful completion of the Accounting Assessment Exam.
4. Business majors will be able to demonstrate the fundamentals of Finance (as stipulated in the department's FIN 210 Curriculum Agreement), including time value of money, bonds and stocks, capital structure, and derivatives by successful completion of the Finance Assessment Exam.
5. Business majors will be able to articulate well-reasoned economic/business/financial arguments in writing (including defending a thesis statement, using correct grammar, and correctly using empirical evidence to support arguments) by successful completion of a paper in a senior seminar or the successful completion of a senior thesis.

Chemistry:

1. The chemistry major will be able to demonstrate the ability to define problems clearly, develop testable hypotheses, design and execute experiments, analyze data using appropriate statistical methods, and draw appropriate conclusions through successful completion of assessments in required 300 and 400 level coursework.
2. The chemistry major will demonstrate appropriate laboratory skills and use of instrumentation to solve problems, while understanding the fundamental uncertainties in experimental measurements and practicing good laboratory safety procedures through successful assessments in required coursework and completion of the senior capstone course or senior research project/ thesis.
3. The chemistry major will demonstrate effective communication skills both orally and in writing for scientific presentation through successful completion of assessments in required courses as well as the senior capstone course and/or senior research project/thesis.
4. The chemistry major will demonstrate ability to work in groups and learn to conduct themselves responsibly as experimentalists with respect to ethics through successful completion of the senior capstone course and/or senior research project/ thesis.

Cinema Studies:

1. The Cinema Studies minor will be able to conduct a formal analysis of a film, addressing the use of the film techniques, correctly using formal film terminology, and applying film theories, in a paper for a 300 level course.
2. The Cinema Studies minor will be able to demonstrate an understanding of the cultural, historical, and cinematic influences on a film or set of films in a paper or project for a 300 level course.

Classical Studies:

1. The Classical Studies minor student will be able to demonstrate a synoptic understanding of the major epochs of Greek antiquity (both the broad span of Greek antiquity as a distinct and unique cultural-historical entity among other early, foundational civilizations in the Mediterranean area and Near East, and specific areas of student specialization [art, history, archaeology, politics, philosophy, religion, sociology, anthropology, communication, medieval studies, museum studies]) by successful completion of papers, examinations and oral presentations at an 'intermediate-upper', i.e. 200-300 level.
2. Classical Studies minors will demonstrate a familiarity with the theory, principles and practices of archaeology; be able to negotiate and understand archaeological sites and their schematic representations based on topographical site plans; and relate critical archaeological inquiry to other disciplines and courses of study fundamental to an understanding of ancient Greece or Rome, or, comparatively, other ancient cultures and civilizations. Classical Studies minors will achieve these goals by successful participation the LFC Greece program, completion of relevant elective courses and possible other field experiences.
3. The Classical Studies minor will demonstrate an understanding of the uniqueness, innovations and legacy of Graeco-Roman antiquity in relation to later civilizations (the 'western tradition'), including subsequent Greek cultures and modern institutions, styles, principles and values dominant in the West and (where applicable) non-Western cultures by successful completion of papers, examinations and oral presentations at an 'intermediate-upper', i.e. 200-300 level.
4. After participation in the Program in Greece, the Classical Studies minor will be able to demonstrate research skills, critical thinking and writing skills through seminar papers and reflective essays on their study-abroad experiences (for the office of Off-Campus Programs) and integration of their knowledge of Graeco-Roman antiquity into coursework in other fields.

Communication:

1. The communication major will be able to analyze various forms of communication, including written, visual, and oral media by successful completion of a senior project or paper.
2. The communication major will be able to communicate effectively, with a strong sense for how context relates to message by successful completion of a senior project or paper.

Computer Science:

1. The computer science major will be able to demonstrate both the practical aspects of computing and the theoretical aspects of computational algorithms by successfully completing the ETS Major Field Test in computer science.
2. The computer science major will demonstrate proficiency with computer programming, problem solving, and design and analysis of computational algorithms while utilizing current technologies and methodologies by successfully completing the ETS Major Field Test in mathematics.

Digital Media Design:

1. The digital media design minor will be able to demonstrate effective communication strategies graphically through the production of 2D and time-based digital art and design projects.
2. The digital media design minor will be able to demonstrate effective communication strategies in written digital media (HTML) through the creation of complex web sites.
3. The digital media design minors will be able to show they work effectively in a team by the successful completion of a team based project.
4. The digital media design minor will demonstrate knowledge of the principles, tools and processes related to visual and interactive media through the completion of a portfolio of digital media artifacts.
5. The digital media design minors will be able demonstrate they think critically to solve technical and aesthetic challenges, in their work and the work of others through exams and verbal critique.

Economics:

1. Economics majors will be able to demonstrate the fundamentals of Microeconomic Theory (as stipulated in the department's ECON 210 Curriculum Agreement), including consumer demand, profit maximization, and competitive and non-competitive market structures by successful completion of the Microeconomic Theory Assessment Exam.
2. Economics majors will be able to demonstrate the fundamentals of Macroeconomic Theory (as stipulated in the department's ECON 220 Curriculum Agreement), including macroeconomic indicators, fiscal policy, and monetary policy by successful completion of the Macroeconomic Theory Assessment Exam.
3. Economics majors will be able to articulate well-reasoned economic arguments in writing (including defending a thesis statement, using correct grammar, and correctly using empirical evidence to support arguments) by successful completion of a paper in a senior seminar or the successful completion of a senior thesis.

Education:

1. The education major (teacher candidate) will demonstrate professional characteristics, responsive teaching practices, resourcefulness, teacher efficacy, and reflective capacities as these are described specifically in the Education Department's document entitled "Identifying Dispositions of a Lake Forest College Educated Teacher" through successful submission of artifacts and reflective essays through the electronic portfolio process.
2. The education major (teacher candidate) will meet all standards articulated for effective beginning teaching in the areas of planning, instructional delivery and assessment in each candidate's respective discipline (e.g., social science, chemistry, elementary education, etc.).

Candidates' proficiency will be determined by receiving at least the state mandated passing score as scored nationally through the official edTPA (Teacher Performance Assessment) portfolio process.

Educational Studies:

1. The educational studies minor will demonstrate an understanding of educational issues related to social justice and human rights, political ideology and power structures, economics, cultural perspectives, gender issues, urban studies, educational reform, and global citizenship.

English (Literature):

1. The English Literature major will be able to read and interpret complex texts and relate one text to another and to a tradition by successfully completing the senior seminar or thesis as the capstone to their coursework.
2. The English Literature major will be able to explain the historical and multicultural contexts of a variety of literature by the senior seminar or thesis as the capstone to their coursework.
3. The English Literature major will be able to express ideas well in writing by identifying the context and purpose of a writing assignment, developing interpretive ideas, adapting to conventions of discipline and genre, using reasoning and evidence to develop arguments, and mastering the fundamentals of English syntax and mechanics as demonstrated by successful completion of course work assignments.

English (Writing):

1. The English Writing major will be able to read and interpret complex texts and relate one text to another and to a tradition, as well as produce their own creative works informed by these interpretations, by successfully completing the senior writing seminar or thesis as the capstone to their coursework.
2. The English Writing major will be able to explain the historical, formal, and ideological contexts of a variety of creative literature by successfully completing the writing senior seminar or thesis as the capstone to their coursework.
3. The English Writing major will be able to express ideas well in writing by identifying the context and purpose of a writing assignment, developing creative ideas, adapting to or experimenting with conventions of discipline and genre, and mastering the fundamentals of English syntax and mechanics as demonstrated by successful completion of course work assignments.

Entrepreneurship and Innovation:

1. Entrepreneurship and Innovation minors will be able to demonstrate the fundamentals of entrepreneurship as stipulated in the department's ENTP 350 Innovation, Franchising and Small Business Management Curriculum Agreement (attached). This includes understanding entrepreneurial opportunities, innovation and creativity, franchising, development and managing growth of a small business, forecasting, sourcing, and the reporting of finances.

Students will demonstrate this knowledge by successful completion of the Innovation, Franchising and Small Business Development Assessment Exam.

2. Entrepreneurship and Innovation minors will be able to demonstrate advanced topics of entrepreneurship as stipulated in the department's ENTP 380 Entrepreneurial Ventures Curriculum Agreement (attached). This includes understanding the components of the business plan (idea, feasibility analysis, target market, PEST, competitive/industry analysis, marketing plan, organizational structure, operations, pro-forma financial statements, and evaluation and control) and demonstrating their importance for inclusion in the business plan. Students will demonstrate this knowledge by successful completion of the Entrepreneurial Ventures Assessment Exam.
3. Entrepreneurship and Innovation minors will be able to write a comprehensive business plan for an original product or service that justifies potential profitability and sustainability of the business model. Students will demonstrate this ability by writing a comprehensive written business plan that addresses profitability and sustainability while using correct grammar and supporting documentation.
4. Entrepreneurship and Innovation minors will be able to articulate their business model orally in an organized and persuasive manner by successful completion of an oral presentation of their business plan.

Environmental Studies:

1. The Environmental Studies major will be able to recognize the physical, chemical, and biological components of the earth's systems and how they function. This will be measured by successfully completing examinations and research papers in Ecology and Evolution (Bio 220 or ES 220) and a Chemistry course.
2. The Environmental Studies major will be able to critically examine all sides of environmental issues and apply understanding from science, law, history, and policy to create informed opinions about how to interact with the environment both personally and societally. This will be measured by successfully completing examinations, quizzes, and writing short papers in Introduction to Environmental Studies (ES 110) and at least one upper level social science course (ES 217, Troubled World Geography; ES 271, Technology and Human Values; ES 273, Cultural Ecology of Africa; ES 287, Sustainable Food Systems; ES 315, Social Ethics of Energy Production and Use; ES 361, Environmental Law; ES 362, Political Ecology)
3. The Environmental Studies major will be able to understand probabilistic aspects of human interactions with the environment by successfully completing examinations in either Introduction to Probability and Statistics (Math 150) or Quantitative Methods for Economics and Business (Econ 180).
4. The Environmental Studies major will be able to do independent research on human interactions with the environment by successfully completing research projects in either the Senior Capstone Seminar or by completing a Senior Thesis or Senior Independent Research Project.

Finance:

1. Finance majors will be able to demonstrate the fundamentals of Microeconomic Theory (as stipulated in the department's ECON 210 Curriculum Agreement), including consumer demand, profit maximization, and competitive and non-competitive market structures by successful completion of the Microeconomic Theory Assessment Exam.
2. Finance majors will be able to demonstrate the fundamentals of Macroeconomic Theory (as stipulated in the department's ECON 220 Curriculum Agreement), including macroeconomic indicators, fiscal policy, and monetary policy by successful completion of the Macroeconomic Theory Assessment Exam.
3. Finance majors will be able to demonstrate the fundamentals of Accounting (as stipulated in the department's BUSN 230 Curriculum Agreement), including credits, debits, balance sheets, and other financial accounting topics by successful completion of the Accounting Assessment Exam.
4. Finance majors will be able to demonstrate the fundamentals of Finance (as stipulated in the department's FIN 210 Curriculum Agreement), including time value of money, bonds and stocks, capital structure, and derivatives by successful completion of the Finance Assessment Exam.
5. Finance majors will be able to articulate well-reasoned economic/financial arguments in writing (including defending a thesis statement, using correct grammar, and correctly using empirical evidence to support arguments) by successful completion of a paper in a senior seminar or the successful completion of a senior thesis.

First Year Studies:

1. First-year students will be able to demonstrate progress toward competence in structure, flow, depth, use of source material, and conventions of academic writing from their summer analytic writing assignment to a mid-semester analytic writing assignment as evaluated by faculty members of the Writing Committee using an approved scoring guide to measure the above elements of academic writing.
2. First-Year students will be able to demonstrate competence in critical thinking, including analysis, synthesis, and judgment, by successful completion of course assignments, as assessed by the course instructor and successful completion of the course.
3. First-Year students will be able to demonstrate the acquisition and refinement of a broad range of information-gathering and research skills, including use of a variety of research tools, of the resources of the library, as well as demonstration of academic honesty, by successfully completing a research paper, as assessed by the course instructor and successful completion of the course.

Gender, Sexuality, and Women's Studies

1. Upon graduating, GSWS minors will be able to demonstrate an understanding of key scholarship on gender and sexuality and how to apply it to more than one discipline.

2. Upon graduating, GSWS minors will be able to demonstrate facility in using gender as an analytic tool in critical thinking.

History:

1. The history major will demonstrate the skills required of a historian: critical thinking; writing historical research; and interpretation as shown by the satisfactory completion of a final project paper.
2. The history major will demonstrate an understanding of historiographical approaches to the past and the ability to recognize the limits and biases of documents from the past, and to appreciate the biases of both past and present in any reconstruction of history by the satisfactory completion of a final project paper.

International Relations:

1. A student graduating with a bachelor's degree in international relations from Lake Forest College shall have competency in a foreign language. Competency means the successful completion of at least one language course at the 300-level of instruction. An IR major shall also briefly describe how the study of a foreign language complements the student's study of international relations.

Latin American Studies:

1. The Latin American Studies majors will be able to demonstrate the ability to analyze critically using various multi-disciplinary methods a major social, political, economic, cultural or scientific issue facing a country (or countries) in the region through acceptable performance in a senior seminar, on a senior project, or by writing an acceptable senior thesis.
2. The Latin American Studies major will be able to demonstrate familiarity with aspects of Latin American artistic phenomenon (e.g., literature, film, and painting) through acceptable performance in written essays and/or oral presentations.
3. Language Proficiency in either Spanish or Portuguese

Legal Studies:

1. The legal studies minor will be proficient in understanding the language and interpretation of the law by reading, briefing and analyzing United States Supreme Court decisions and related case and statutory law.
2. The legal studies minor will be capable of identifying how the law interfaces with multiple academic disciplines including but not limited to politics, history, economics, communications, literature, sociology and philosophy by reading materials in those fields and doing legal writing assessment/analyses and the completion of related exams.
3. The legal studies minor will be able to do legal research and apply that research to legal scenarios (thereby achieving critical thinking skills) via short written response and term papers.

4. The legal studies minor will be able to demonstrate proficiency with legal language and terminology and oral argumentation of the law by consistent, rigorous use of the Socratic method as the primary mode of classroom participation.
5. The legal studies minor will be able to demonstrate the differences between public and private law by written exam work.
6. The Legal Studies minor will be capable of articulating how elements of justice, fairness, equality and property allocation are addressed in the law by effectively analyzing case law decisions that resolve and define the aforementioned elements.
7. The legal studies minor student will be capable of taking a legal concept studied in class and find another case, news item or current legal scenario that relates to the assigned material and proficiently present the similarities/differences with the assigned material by researching such related material and providing oral presentations in class.
8. The legal studies minor student will be capable of comprehending the strengths and limitations of the law in addressing societal interests by analyzing case law that succeeds or fails in resolving problems and disputes.

Mathematics:

1. The mathematics major will be able to use mathematics as a tool to describe and solve real-world problems by successfully completing the ETS Major Field Test in mathematics.
2. The mathematics major will demonstrate proficiency with the fundamental rules of logic and proof technique, the basic tenets of calculus, linear algebra, abstract algebra, and real analysis by successfully completing the ETS Major Field Test in mathematics.

Modern Languages and Literatures:

1. French and Spanish majors will be able to demonstrate oral proficiency at the high intermediate level or above (as defined by ACTFL guidelines) and able to articulate grammatically correct and phonetically understandable French/Spanish at the required level by successful completion of coursework (grade of C or better) focusing on oral and written communication, and aural and reading comprehension through the use of authentic cultural materials and appropriate-level tasks as specifically as assessed in SPAN/FREN 312, through administration of oral exams, oral presentations and discussion.
2. French and Spanish majors will be able to demonstrate written proficiency to articulate their ideas in standard written French/Spanish and at the high intermediate level or above (as defined by ACTFL guidelines) as assessed in literature, translation, creative writing and advanced grammar and culture courses, and in the senior seminar (or senior thesis
3. French and Spanish majors will be able to demonstrate knowledge of the literatures related to target languages, the skills of literary analysis and critical thinking about texts, reading for comprehension, critical reflection and textual analysis, and be able to analyze and defend their

analysis a structured written text, in grammatically correct standard written French/Spanish as assessed in papers written for literature courses at the 300 level and the senior seminar.

4. French and Spanish majors will demonstrate knowledge of major literary genres, movements, textual themes, author's style and contributions, and critical vocabulary for the study of literature through course examinations and written coursework.
5. French and Spanish majors will reflect understanding of target cultures related to the language studied as assessed through critical reflection (written essays, exams, researched and analytical papers and oral presentations) in culture-based courses, as well as through successful performance in Paris and Granada, or other off-campus programs in the target culture.

Music:

1. The music major will be able to recognize by ear the traits of the major style periods in classical music history as demonstrated by a satisfactory performance on an examination given after completion of MUSC 360 and 361.
2. The music major will be conversant in the musical language of western art music, jazz, electronic music, popular music, and/or music of different cultures as demonstrated by successful completion of a senior project or paper.
3. The music major will be able to demonstrate aptitude in music theory as demonstrated by satisfactory performance on an examination given after completion of MUSC 251, 252, 351, and 352

Music Education:

1. The music education major will be able to demonstrate the use of the basic vocabulary of music and education through successful completion and submission of artifacts through the electronic portfolio process and completion of terminal projects in the music theory/music history/education curricula.
2. The music education major will be able to apply the knowledge and skills necessary to create and perform music as demonstrated through successful completion of performance juries on their primary instrument/voice.
3. The music education major will be able to apply pedagogical knowledge and skills appropriate to the teaching of music, including issues of diversity, gender equity, and the needs of diverse student abilities through successful submission of artifacts and reflective essays through the electronic portfolio process and successful completion of the edTPA.
4. The music education major will meet the standards articulated in the Illinois State Board of Education's standards, including the Illinois Professional Teaching Standards and Music Content Area Standards through successful submission of artifacts and reflective essays through the electronic portfolio process.

Museum Studies:

1. The Museum Studies minor will demonstrate a critical awareness of how museums communicate complex ideas to a general audience through exhibit design and installation, by evaluating such an exhibit in a written assignment. This outcome will be measured by assessing designated assignments in Core and elective courses in the program
2. The Museum Studies minor will demonstrate understanding about the nature and work performed in Museums in a paper or presentation that directly evaluates key aspects of Museum operations, such as collection management, development, museum education, visitor services, etc. This outcome will be measured by assessing designated assignments in Core and elective courses.
3. The Museum Studies minor will demonstrate insight into the role of museums in culture, for example, as institutions embedded in historical contexts and as sites of cultural production This outcome will be measured by assessing designated assignments in Core and elective courses.
4. The Museum Studies minor will demonstrate research skills that focus on objects or things preserved in Museum collections. This outcome will be measured by assessing designated assignments in Core and elective courses in the program.

Neuroscience:

1. The neuroscience major will be able to describe the structure and function of the brain at the molecular level of analysis, and explain how molecular and electrical activity in the nervous system contributes to sensation, movement, cognition, and some diseases of the nervous system.
2. The neuroscience major will be able to describe the structure and function of the brain at the molecular level of analysis, and explain how molecular and electrical activity in the nervous system contributes to sensation, movement, cognition, and some diseases of the nervous system.
3. The neuroscience major will be able to conduct, interpret, and report the results of a research project using up-to-date molecular neuroscience techniques.
4. The neuroscience major will be able to conduct, interpret, and report the results of a research project using up-to-date behavioral neuroscience techniques.
5. The neuroscience major will be able to read, understand, evaluate, and draw appropriate conclusions from the primary literature (i.e., journal articles) in molecular neuroscience.
6. The neuroscience major will be able to read, understand, evaluate, and draw appropriate conclusions from the primary literature (i.e., journal articles) in behavioral neuroscience.

Philosophy:

1. Philosophy majors will be able to express themselves effectively and conscientiously, with rigor and fairness, in spoken and written forms that seek and promote respectful and fruitful dialogue on substantive and controversial issues, as demonstrated through successful completion of class

presentations and discussions of senior projects, in all philosophy courses, usually excepting Logic (PHIL 156), which require graded academic papers and classroom discussion of texts.

2. Philosophy majors will be able to demonstrate perseverance and success in comprehending difficult texts and following the main lines of argument, including a basic understanding of logic and the ability to make sense of a number of diverse methodologies associated with philosophical positions, as demonstrated through successful performance on tests in logic as well as written and oral work in the core history sequence classes.
3. Philosophy majors will be able to demonstrate familiarity with important periods in the history of philosophy, including important thinkers from the Eastern and Western traditions and a recognition of the ways different cultures have engaged in philosophical pursuits which then inform students' reflections on, e.g., what really exists, the nature of the human condition, concepts of social justice and the responsibilities of global citizenship, and the rational, emotional, and aesthetic dimensions of human existence, as demonstrated through successful completion of academic papers and classroom discussion based on textual analysis in the core history sequence and the 300-level required courses on ethics and comparative philosophy.
4. Philosophy majors will develop a degree of expertise on specific philosophical themes of particular interest to them that demonstrate a real excitement, insight, and love for philosophical texts and debate as demonstrated by successful completion of senior projects, in the form of a thesis or independent research paper, or a seminar paper on topics of the student's choosing.
5. Philosophy majors will be able to engage in creative philosophical efforts that assess and build on a body of foundational knowledge and ultimately develop their own insights and arguments, as demonstrated by successful completion of senior projects, in the form of a thesis or independent research paper, or a seminar paper on topics of the student's choosing.

Physics:

1. A graduating physics major will demonstrate understanding of the fundamental physical principles of mechanics, electricity and magnetism, thermodynamics, and quantum mechanics, and be able to apply these principles to a variety of problems through successful completion of the Physics Assessment Test.
2. A graduating physics major will demonstrate the ability to break down complex problems, apply sophisticated mathematical analyses, and construct well organized solutions through successful completion of the courses *Analytical Mechanics, Electricity and Magnetism I, Thermodynamics and Quantum Mechanics I*.
3. A graduating physics major will demonstrate longer-term mastery of the skills listed in item 2 through completion of *review problems* assigned in upper-level courses about topics in the prerequisite courses.
4. A graduating physics major will demonstrate proficiency in basic experimental techniques and a familiarity with standard laboratory hardware through successful completion of the Physics Senior Studies course, *Experimental Methods*.

5. A graduating physics major will demonstrate the ability to collect and analyze experimental data in a variety of situations, including connecting a voltmeter and ammeter to measure the voltage across and the current through a resistor, use an oscilloscope to monitor and measure a signal, and quantitatively and graphically analyze data with standard software through successful completion of the laboratory portions of our courses.

Politics:

1. A student graduating with a bachelor's degree in politics from Lake Forest College shall demonstrate proficiency in the subfield of American politics and public law – including principal research questions, concepts, theories and approaches – as evidenced in the numerical sub-score of the U.S. Government and Politics indicator of the ETS Comprehensive Political Science Examination.
2. A student graduating with a bachelor's degree in politics from Lake Forest College shall demonstrate proficiency in the subfield of comparative politics – including principal research questions, concepts, theories and approaches – as evidenced in the numerical sub-score of the Comparative Government and Politics indicator of the ETS Comprehensive Political Science Examination.
3. A student graduating with a bachelor's degree in politics from Lake Forest College shall demonstrate proficiency in the subfield of international relations – including principal research questions, concepts, theories and approaches – as evidenced in the numerical sub-score of the International Relations indicator of the ETS Comprehensive Political Science Examination.
4. A student graduating with a bachelor's degree in politics from Lake Forest College shall demonstrate proficiency in the subfield of political theory – including principal research questions, concepts, theories and approaches – as evidenced in the mean percentage correct score of the Political Thought assessment indicator of the ETS Comprehensive Political Science Examination.
5. A student graduating with a bachelor's degree in politics from Lake Forest College shall demonstrate proficiency in the methods of political science research as evidenced in the mean percentage correct score of the Methodology assessment indicator of the ETS Comprehensive Political Science Examination.
6. A student graduating with a bachelor's degree in politics from Lake Forest College shall demonstrate critical thinking and analysis skills as evidenced in the mean percentage correct score on the Analytical and Critical Thinking indicator of the ETS Comprehensive Political Science Examination.
7. A student graduating with a bachelor's degree in politics from Lake Forest College shall demonstrate competency in research and writing in the political science discipline.

8. A student graduating with a bachelor's degree in politics from Lake Forest College shall have general competency in the political science discipline as evidenced in the Total Score of the ETS Comprehensive Political Science Examination.

Psychology:

1. The psychology major will be able to demonstrate familiarity with concepts, theoretical perspectives, empirical findings, and historical trends across the major sub-disciplines of psychology as indicated through successful completion of the ETS Major Field test in Psychology.
2. The psychology major will demonstrate competence in the basic empirical methods used in the discipline including research design, analysis, and interpretation of research, as evidenced by successful performance on the "Measurement & Methodology" assessment indicator of the ETS Major Field test in Psychology.
3. The psychology major will demonstrate familiarity with the biological underpinnings of behavior as indicated through successful performance on the "Perception, Sensation, & Physiology" assessment indicator of the ETS Major Field test in Psychology.
4. The psychology major will demonstrate familiarity with the social underpinnings of behavior as indicated through successful performance on the "Social" assessment indicator of the ETS Major Field test in Psychology.

Religion:

1. The religion major will be able to demonstrate an understanding of the basic beliefs, practices, and communities of several different religious traditions, both historically and as part of the dynamic flow of our contemporary global society by successful completion of assigned written and oral presentations.
2. The religion major will be able to read and analyze primary sources religious texts and research religious issues through historical and contemporary literature by successful completion of assigned papers and oral presentations.
3. The religion major will be able to discuss religious ideas and questions in a way that encourages the cross-fertilization of ideas and a deeper understanding of both similarities and differences through successful completion of assigned written and oral presentations.
4. The religion major will be able to formulate thoughtful questions about how religious thinking intersects with everyday actions and decisions that arise particularly in relation to social, political, philosophical, and psychological issues and demonstrate this by successful completion of assigned written and oral presentations.

Sociology and Anthropology:

1. The student will be able to articulate the following core ideas: sociological imagination, cultural relativism, material culture, and the social construction of human experience (e.g. race, class, and gender) through acceptable performance on course assignments in SOAN 110

2. The student will demonstrate mastery of the shared core concepts of culture, social change, socialization, institutions, stratification, social structure, and population differentiations through acceptable performance in the course assignments of core courses of SOAN210 and SOAN220.
3. The student will be able to design and execute a research project on social phenomena involving human subjects, demonstrating clear understanding and application of research ethics, methodological principles, analytic techniques, and social theory
4. The student will be able to apply sociological and anthropological insights and principles in her/his own life and in the liberal arts curriculum as demonstrated through the production of a self-reflective work portfolio produced in the senior seminar.

Social Justice:

1. The Social Justice minor will be able to demonstrate understanding of the issues, controversies, and competing arguments surrounding social justice matters as assessed through the Critical Thinking Value Rubric and the Ethical Reasoning Value Rubric, applied to students' work (especially research papers) in at least one core course (Phil/EC 277, 276, or 352).
2. The Social Justice minor will be able to engage in debates, as evident through effective writing that (1) clarifies and compares competing arguments and (2) generates a reasoned judgment as assessed through the Critical Thinking Value Rubric and the Ethical Reasoning Value Rubric, applied to students' work (especially research papers) in at least one core course (Phil/EC 277, 276, or 352).

Theatre:

1. The Theater major will be able to use research and analytical skills for theatrical practice by successful completion of a senior project or paper.
2. The Theater major will be able to explain the functions of theater in different times and cultures by successful completion of assessments in required theater history courses.
3. The Theater major will be able to explain the complementary functions of different areas of production by successful completion of the theater practicum requirements.
4. The Theater major will be able to demonstrate organization and coherence in scholarly and artistic expression by successful completion of a senior project or paper.

Urban Studies:

1. Student will be able to recognize obstacles and benefits specific to working within an urban setting.
2. Student will be able to articulate specific issues that arise as a result of a dense and/or diverse population.

3. Student will be able to identify relationships between government offices and specific issues.
4. Student will be able to evaluate strategies designed to deliver services or regulate activities in an urban area in terms of their potential outcomes for more than one set of stakeholders.