HT 4204  
*Plant Pest Management*
This course is concerned with the recognition and methods of control of insects, fungi and weeds which adversely affect agriculture and the health and welfare of man. Prerequisites: Entomology and Principles of Organic Chemistry. 2 hours Lecture and 3 hours Laboratory — 3 credits

HT 4225  
*Plant Disease Diagnosis*
This course provides the student with intensive laboratory experience in the identification of plant pathogens, plant disease diagnosis, and plant disease control as well as a focus on the physiology of the host-parasite interaction, plant disease resistance, and disease appraisal. Prerequisite: Plant Pathology. 2 hours Lecture and 3 hours Laboratory — 3 credits

**LIBERAL ARTS**

LA 0040  
*“A” Day Leadership Laboratory*
The student leaders who manage the College’s annual “A” Day exposition may earn credit for their management role; 1/2 credit per semester of leadership participation; may be accumulated to a maximum of 4 semester credits. Pass/Fail

LA 1015  
*Music Appreciation*
The music of each period of history is interpreted and analyzed with a view of understanding and appreciating our musical heritage. Illustrations for the works of the great composers are presented to assist in the establishment of criteria for evaluating music. 3 hours Lecture and Discussion — 3 credits

LA 1020  
*Skills for College Success*
The goal of this course is to improve students’ learning abilities and to sharpen the ability to think clearly, logically, critically, and effectively. This course is also an introduction to the ideals and values of the academic community. Students will also learn about the key abilities and dispositions of a liberally educated person. Required for freshmen who entered the College in the Fall of 2008 and after. 1 hour Discussion — 1 credit.

LA 1058  
*Community Concert Band*
This course provides students the opportunity to develop their musical skills through the study and performance of selected works for concert band. Performances are held on campus throughout the school year. 2 rehearsals per week — 1 credit per semester

LA 1059  
*Chorale*
This course provides students the opportunity to develop their musical skills through the study and singing of selected choral literature from various periods of music history. Performances are held on campus throughout the school year. 2 rehearsals per week — 1 credit per semester

LA 1060  
*Introduction to the Fine Arts*
This course studies the music of each period of history. Illustrations from the works of the great composers are presented to assist in the establishment of criteria for evaluating the music. One field trip is taken to The Philadelphia Academy of Music for the purpose of studying the orchestra in a rehearsal setting. This course also examines painting, sculpture, and architecture in history to increase the student’s ability to interpret and appreciate works of art. 3 hours Lecture and Discussion — 3 credits

LA 1112  
*Spanish I*
A study of basic grammar and vocabulary with oral and written exercises that include conversation and composition. 3 hours Lecture and Discussion — 3 credits

LA 1113  
*French I*
Students develop a skill for recognizing cognate words using idiomatic expressions and acquire a basic vocabulary enabling them to read aloud with understanding, to pronounce accurately, to recognize and use appropriate grammatical structure, and to write and translate sentences for composition. 3 hours Lecture and Discussion — 3 credits

LA 1160  
*German I*
Instruction and practice in understanding and speaking the German language with stress on sentence structure, inflections, vocabulary, and pronunciation. 3 hours Lecture and Discussion — 3 credits
Course Descriptions

LA 1212
Spanish II
A continuation of the study of basic grammar and vocabulary with emphasis on spoken and written Spanish, including the reading of carefully graded Spanish texts. Prerequisite: Spanish I. 3 hours Lecture and Discussion — 3 credits

LA 1214
French II
Students will refine skills of vocabulary-building, speaking, reading, and translating. Prerequisite: French I or equivalent. 3 hours Lecture and Discussion — 3 credits

LA 1223
Campus Leadership Training
This course is designed to provide a framework for developing leadership skills. Emphasis includes active communication, team building, intervention strategies, decision making, and problem resolution. Students wishing to apply for campus leadership positions including Peer Advisors, Resident Assistants, Diplomats and Student Government leaders are encouraged to take this course. The course is open to second semester freshmen, as well as sophomores and juniors. 1 hour per week — 1 credit, Pass/Fail

LA 1225
Critical Thinking
The goal of this course is to sharpen ability to think clearly, logically, critically, and effectively. Thinking effectively is also necessary to communicate effectively, solve problems and to make the best choices. This course is designed to increase and focus your thinking abilities by using a variety of methods - lectures, class discussions, readings, written assignments, problem-solving activities, and examinations. Your success in the course depends on your willingness to commit to developing the thinking potentials that you possess. May be required for transfer students who entered the College in the Fall of 2008 and after. 1 hour Lecture — 1 credit

LA 1261
German II
Instruction and practice in understanding and speaking the German language with increasing emphasis on reading and writing the language. Prerequisite: German I or Equivalent. 3 hours Lecture and Discussion per week — 3 credits

LA 2005
Speech
Experience is stressed in preparation, delivery, and criticism of speeches on a variety of topics. Speeches include personal experiences, manuscript readings, demonstration, informative, and persuasive with a goal of attaining extemporaneous skill in delivery. 3 hours Lecture and Discussion — 3 credits

LA 2012
Introduction to Sociology
This course covers the nature and functioning of human culture, with special attention to the problems of modern Western society. The course centers upon the interaction of individual persons and the social groups in which they have membership. 3 hours Lecture and Discussion — 3 credits

LA 2036
Introduction to Psychology
A study of the general subject matter in the field, including child psychology, heredity and environment, individual differences, the nervous system, personal adjustment, human development, intelligence, mental processes, and abnormal behavior. 3 hours Lecture and Discussion — 3 credits

LA 2040
Modern History of Western Societies
This course provides a comparative history of modern Western civilization, beginning with the era of scientific, political and industrial revolutions, since the 16th century. Through the discussion and analysis, the student should gain a deeper understanding of their modern western world and how it came to evolve. 3 hours Lecture and Discussion — 3 credits

LA 2042
Introduction to Philosophy
This course is a historical approach to Western philosophy. Major figures from the Greeks to contemporary philosophers are treated. 3 hours Lecture and Discussion — 3 credits

LA 2138
History of Western Civilization I
A survey of the developments of western societies and ideologies from the origins of civilization in the ancient Near East to the mid-seventeenth century. 3 hours Lecture and Discussion — 3 credits
**LA 2224**  
*Pennsylvania History and Government*  
Surveys political, social and cultural developments in the Commonwealth from Penn’s Charter until the present day, with special consideration of the role of Bucks County. Students will be required to participate in fieldwork at Delaware Valley College’s Roth Farm and Living Museum. 3 hours Lecture and Discussion — 3 credits

**LA 2230/ED 2230**  
*Educational Psychology*  
A practical treatment of the theory and practice of teaching and learning and their application in the classroom, family, and community. Topics include: conditioning, cognitive processes, motivation, testing and grading. ED 2230 open to Education majors only. Any student may take LA 2230. 3 hours Lecture and Discussion — 3 credits

**LA 2370**  
*Employment Program*  
Each student in Counseling Psychology is required to spend 500 hours in approved jobs related to the major. Each employment experience that will be used toward the Employment Program must be registered with the Office of Career and Life Education before employment commences — 4 credits

**LA 2375**  
*Personality Theories*  
A review of the major theories of personality development and personality functioning. In addition to covering the details of each theory, the implications and applications of each theory are considered. 3 hours Lecture and Discussion — 3 credits

**LA 2450**  
*Lifespan Development*  
This course focuses on physical, cognitive, social, personality and moral development over the lifespan. Students will be introduced to human development concepts, issues and theory with emphasis on inter-relationships between individuals, families, schools, communities, and culture. 3 hours Lecture and Discussion — 3 credits

**LA 2575**  
*Introduction to Counseling Theories*  
This course serves as a general introduction to the primary theoretical perspectives that guide the works of counseling psychologists. It introduces students to the process of counseling and psychotherapy. 3 hours Lecture and Discussion — 3 credits

**LA 2620**  
*Multicultural Issues in Psychology*  
This course will impart a basic understanding of psychological concepts about identity and culture and how they affect interactions with others. The course focuses on a multicultural perspective for understanding and working with diverse populations, and will examine theoretical and research literature concerning gender, race/ethnicity, relation, etc. in the provision of psychological services. 3 hours Lecture and Discussion — 3 credits

**LA 3008**  
*Student Government*  
Students receive 1/2 credit on a pass/fail basis for devoting active participation in the activities of student government. They include, but are not limited to, maintaining an office for a class year or on Student Government itself, serving on committees like SAC, being an officer in a club and representing that club at Student Government. A short paper is required each semester for students on the Student Government Board who desire credit. To receive credit, students must sign up for it at the Registrar’s Office — 1/2 credit, Pass/Fail

**LA 3022**  
*Acting I*  
This course provides students with a safe and respectful atmosphere in which to explore the actor’s craft. The student not only learns how to act but how to use acting in common situations. 3 hours Lecture and Laboratory — 3 credits

**LA 3024**  
*Acting II*  
This course prepares the student for specific roles. The actors will be matched to parts for which they seem most suitable and will learn how to break down a role emotionally and physically. By the end of the course they will prepared to begin rehearsals for a production. Prerequisite: Acting I or equivalent experience. 3 hours Lecture and Laboratory — 3 credits

**LA 3025**  
*Acting III*  
This course leads the actor through the production process. There is a step by step plan in which the actor is moved from rehearsal through performance in some of America’s great plays. The plays will be chosen to suit the student’s abilities. Prerequisite: Acting II. 3 hours Lecture and Laboratory — 3 credits
Course Descriptions

LA 3031  
American History and Government to 1877  
A survey of political, social, and cultural developments from colonial times through the period of Reconstruction. 3 hours Lecture — 3 credits

LA 3032  
American History and Government Since 1877  
A survey of political, social, and cultural developments from 1877 to the present. 3 hours Lecture — 3 credits

LA 3034  
Adolescent Psychology  
This course studies the development and behavior of adolescents with a focus on understanding the adolescent in terms of family, peers, school, culture, and the community at large. Identity development, delinquency and sexuality will all be examined with an emphasis on how to provide services to the adolescent in need. Prerequisite: Introduction to Psychology or Permission of Instructor. 3 hours Lecture and Discussion — 3 credits

LA 3055  
Substance Use and Abuse  
An introduction to the elementary dynamics of substance use, abuse, dependency and treatment. The course is designed to facilitate the acquisition and retention of information needed by the prospective professional in the field of alcohol and drug abuse treatment. Prerequisite: Introduction to Psychology. Suggested Prerequisite: Biological Science I. 3 hours Lecture and Discussion — 3 credits

LA 3101  
Cultural Anthropology  
This course examines the origins of human culture, with emphasis upon cultural and social organization, the impact and influence of cultural change upon such organization, and the traditions, rituals and relationships that define human civilization. 3 hours Lecture — 3 credits

LA 3132  
Comparative Politics  
This course offers a comparative analysis of European, African, Asian, Middle Eastern, and Latin American political systems. 3 hours Lecture — 3 credits

LA 3139  
Introduction to Research  
This course is designed to introduce students to the requirements, philosophy, and methods of scientific research. Topics will include experimental design, scientific methods, grants and funding, communications, searching methodology, ethics, selecting a graduate program, dissection and analysis of research papers, research style, and the administration of research projects. 3 hrs per week — 3 credits

LA 3151, 3251  
Studio Art I, II  
Studio Art I is an elementary course in which the student is given the opportunity to find her/himself and the medium through which she/he wants to work. Studio Art II requires the student to express the self through the medium suggested by the instructor. Each course is a prerequisite for the following one. 2 hours Lecture and Practicum — 2 credits for each course

LA 3240  
Political and Cultural Geography  
The significance of contemporary world patterns of nations is considered through the interaction of their physical, economic, political, and cultural aspects, with an emphasis upon the interplay between population, migration patterns, language, religion, and political developments. 3 hours Lecture — 3 credits

LA 3241  
Invention and Technology in America  
Examines the influence of agricultural, mechanical, technological, and scientific change upon the United States from colonial times to the present. Students will be required to participate in fieldwork at Delaware Valley College’s Roth Farm and Living Museum. 3 hours Lecture — 3 credits

LA 3380  
Introduction to Counseling Techniques  
This course includes information relating to stages in the counseling process, interviewing skills, counseling objectives, and appropriate strategies. Students actively learn various counseling techniques using the mediums of role playing, peer critiques, videotaping, and discussions. Ethical considerations are emphasized. Prerequisites: Introduction to Psychology and Introduction to Counseling Theories. 3 hours Lecture and Discussion — 3 credits

LA 3390  
Measurement and Assessment in Psychology  
This course involves discussion of the theory and application of psychological tests of intellectual functioning, achievement, aptitude, interests, attitudes and personality. Multiple testing contexts are discussed,
including educational and psychological research, counseling and guidance, and private industry. Prerequisite: Introduction to Psychology. 3 hours Lecture and Discussion — 3 credits

LA 3465
Methods of Psychological Research
This course examines research methods used to study human behavior. Research design, including experimental, correction and survey methods are examined. Course topics include: the design of psychological experiments, data collection, data analysis and interpretation and preparing a research report. Students use SPSS statistic software to conduct literature reviews, analyze data, and write research reports in the laboratory. Prerequisites: Introduction to Psychology and Statistics for Science, or Permission of Instructor. 3 hours Lecture and 3 hours Lab — 4 credits

LA 3680
History and Systems of Psychology
A study of the history of psychology, including early and modern schools of thought, important trends, famous psychologists, as well as recent developments in the field. Prerequisite: Introduction to Psychology. 3 hours Lecture and Discussion — 3 credits.

LA 3750
Child Development
This course involves theory and research on psychological development from conception to adolescence. Physical, cognitive, social and emotional changes will be studied. Prerequisite: Introduction to Psychology or Permission of Instructor. 3 hours Lecture and Discussion — 3 credits

LA 4014
Abnormal Psychology
This study of abnormal psychology in American society, including its occurrence, condition, and treatment, emphasizes the maintenance of good mental health. Topics include mood disorders, substance abuse, brain disorders and dream analysis. Prerequisite: Introduction to Psychology. 3 hours Lecture — 3 credits

LA 4037
Non-Western Societies
Non-Western Societies surveys the non-Western cultures and histories of Asia, Africa, and the Middle East, and their nineteenth and twentieth century interactions with the outside world. This course will explore pre-modern origins and enduring traditions of each region, address various independence movements of the twentieth century, and discuss examples of contact with the West, conflicts arising over US-Soviet Cold War competition, terrorism, and the recent challenges to the emerging global economy. 3 hours Lecture and Discussion — 3 credits

LA 4038
Cultural Enrichment
Students are required to attend or participate in 14 cultural events, including concerts and recitals, lectures presented by distinguished authors, visits to museums, art galleries and shows, and theater presentations from among which the student must select a variety. Required for students who entered the College prior to the Fall of 2008 — 1 credit

LA 4040
Developmental Disabilities
This course provides an overview of developmental disabilities, delays, and disorders from a life-span perspective. Topics include individual progress, services, and policies with attention to both family support and school-based principles of inclusion for youth. The course includes observation of youth with developmental disabilities. Prerequisite: Introduction to Psychology. 3 hours Lecture and Discussion — 3 credits

LA 4045
Seminar (Counseling Psychology)
Under faculty direction, students explore topics in psychology. This tutorial approach culminates in the preparation of a paper of considerable length with an oral defense/presentation. 3 hours Lecture — 3 credits

LA 4110
Critical Issues in World History
Examines global problems in historical perspective across time – war, terrorism, and the threat of war; cultural, racial, ideological, religious, gender, and economic struggles; and the search for peace and order. 3 hours Lecture — 3 credits

LA 4111
International Political Economy
This course analyzes the development, processes, and institutions of the global political economy, with an emphasis upon the politics and diplomacy of international trade and finance. 3 hours Lecture — 3 credits

LA 4112
Senior Seminar for Secondary Education
Under faculty direction, students explore topics in
any of the following fields: American History, European History, World History, or the History of Science/Agriculture/Technology. This tutorial approach culminates in the preparation of a paper of considerable length with an oral defense/presentation. 3 hours Lecture — 3 credits.

**LA 4127**  
**United States Foreign Policy**  
The history of American foreign relations concerns power, profit, security, politics, and ideology. This offering of US diplomatic history, covering selected topics from 1775 to the present, will explore competing interpretations of America’s hot and cold wars, periods of peace, isolation, and intervention. 3 hours Lecture and Discussion — 3 credits

**LA 4203**  
**Social Psychology and Human Interaction**  
The scientific study of how people interact, communicate, influence, interpret and relate to one another. The course focuses on the way an individual relates to groups as well as how various groups affect the individual. Topics include prejudice, groupthink, attitude inoculation, polarization, eyewitness testimony, altruism, aggression, bargaining, mediation, arbitration, and conciliation. Prerequisite: Introduction to Psychology. 3 hours Lecture and Discussion — 3 credits

**LA 4224**  
**Cultural Minorities**  
The social institutions of selected racial, ethnic and religious minorities, as well as the institutional, demographic and social/psychological aspects of intergroup relations, are reviewed. Prerequisite: Introduction to Sociology. 3 hours Lecture and Discussion — 3 credits

**LA 4228**  
**The American Family**  
This course traces a history and background of American family patterns that includes the structure, functions, and values of the contemporary family. It also deals with the factors that may result in the disorganization of the family. 3 hours Lecture and Discussion — 3 credits

**LA 4243**  
**Ethics**  
An introduction to classical and modern logic; major concerns and approaches to ethics are considered, with emphasis on modern ethical problems. 3 hours Lecture and Discussion — 3 credits

**LA 4372**  
**Marriage and Family Counseling**  
This course is designed to introduce systems theories that are utilized in marriage and family counseling. Topics include family development, and the issues, concepts and interventions associated with major family therapy models. Prerequisite: Introduction to Psychology. 3 hours Lecture and Discussion—3 credits

**LA 4583**  
**Introduction to Behavior Modification**  
An introduction to the concepts, theories and applications of learning theory and behaviorism as they are applied to a variety of treatment conditions and applications in a variety of settings, with special emphasis on school settings. Prerequisite: Introduction to Psychology. 3 hours Lecture and Discussion — 3 credits

**LA 4892**  
**Childhood Psychopathology**  
This course explores the biological, psychological and social/cultural factors in the etiology, course and treatment of childhood disorders. Prerequisite: Introduction to Psychology. Suggested Prerequisite: Abnormal Psychology. 3 hours Lecture and Discussion — 3 credits

**MATHEMATICS AND PHYSICS**

**MP 0009**  
**Algebra II (High School)**  
This course is designed to prepare those students who do not have the requisite high school algebra background for the courses in college algebra which are required for a college degree. 3 hours Lecture and Discussion — 0 credits

**MP 0010**  
**Basic Mathematics**  
A review of fundamental arithmetic and algebra to familiarize the students with the basic concepts of mathematics. The course is designed to provide the student with the requisite foundation and practice in preparation for the MP 1102, 1203 or 1205 sequence. Students assigned to this course are required to take MP 1102 College Algebra and MP 1203 Elementary Functions or MP 1205 Finite Mathematics to fulfill the Mathematics Core Curriculum requirement. 3 hours Lecture and Discussion — 3 institutional credits (Institutional credit will not be applied to either