

CPS 105 Essentials of Computers (2 credits).

A basic course intended for anyone unfamiliar with the academic use of computers. Students will learn to use word processing and spreadsheet applications, practice effective use of e-mail and safe web surfing practices. In addition all students will learn techniques such as file saving and procedures for logging on and off that will prevent data loss, frustrate potential hackers and prolong the useful life of their machines.

CPS 110 Conquering the Digital Divide (3 Credits)

This course takes as its starting point the proposition that technology is central to the modern world as one of the primary tools enabling communication and learning. Students will learn the principles behind computer systems, become familiar with a variety of computer hardware, software, and networks, learn to use the Internet for computer based researching, peer-to-peer sharing of information, multimedia applications, integrating word processors and spreadsheets, and how collaborative tools function. The ethical implications of computing, such as security, malware, privacy, identity theft and the social implications of information sharing will be given particular consideration.

MTH 108 Elementary Statistics (3 credits).

Introduction to statistical reasoning as required by an informed citizen. Emphasis on concepts rather than in-depth coverage of traditional statistical methods. Topics include sampling and experimentation, descriptive statistics, concepts of basic probability, the normal distribution, estimation of a population mean and proportion, single sample and two sample hypothesis tests, regression and correlation, and ethical considerations. May not be taken by those with credit for MTH 205 or the equivalent. Prerequisite: MTH 105 or the equivalent. Expected to be offered: Fall and spring semesters.

MTH 252 Statistical Methods for the Sciences. (3 credits)

Intensive survey course with applications for the sciences. Topics include descriptive statistics, probability theory, random variables, binomial, Poisson, normal, t, F, and Chi-Square distributions, estimation and hypothesis testing of common parameters, analysis of variance, correlation, linear and multiple regression, and ethical considerations. Prerequisite: MTH 110, or MTH 105 and consent of the instructor. Familiarity with a Windows based computer environment is strongly suggested. Expected to be offered: Fall semesters. 3 credits

Exploring the Liberal Arts

Fine Arts:

ART 112 Exploring the Visual Arts: In this course, students will be introduced to historical and contemporary visual arts from around the world including painting, sculpture, printmaking, architecture, camera and computer arts, multi-media and installation. Students will use analytical and critical skills to discover the subtle ways art communicates sophisticated ideas and attitudes. Some embedded in the cultural context and others more overtly. This course is designed to offer shared exploration through lectures, presentations, discussions and projects. Prerequisite: none, Rotation to be determined, 3 credits

Art 115 Studio Art Experience: The course immerses students in the shared exploration of ideas, concepts and fundamental principles of visual art through direct studio practice. Students design and produce a variety of projects both individually and collaboratively that incorporate skill building, problem solving and critical process. Projects engage students in interdisciplinary investigations of concepts and encourage them to exploit the expressive potential of varied media and techniques. The topics, techniques and methods vary with each semester depending on the professional practice and passion of faculty and transdisciplinary topic-based approaches. Students develop their own ideas and voice in relation to the material and themes being presented by faculty. Students will develop the ability to maintain a dialogue between making and thinking that requires both technical and critical competencies. Prerequisite: none, rotation to be determined, 3 credits

DRM 112 American Theater and Media Arts Traditions: American theater and media arts have been influenced principally from Western European traditions and practices. However, unique viewpoints and styles have come from the minds of talented American artists who have been influenced by a wide of array of world cultures. American Theater and Media Arts Traditions will examine those forms and practices that are uniquely American as well as examining the origins of and influences on those forms. Although live theater in America is an outgrowth of the European theatrical tradition, movies and television are art forms that were developed in the United States. All three of these story-telling forms will be

experienced. Students will study the development of these forms from their inception to the present. Students will explore landmark works while placing these works within the social and political context of the times in which they were produced. Prerequisite: None, Rotation to be determined, 3 credits

DRM 120 Performance-Based Theatrical Expression: Theatrical performance is a time honored method of teaching the fundamentals of theater. While the non-performance based study of theatrical history and appreciation of theater's many forms is an essential component of theatrical study, mounting and participating in all aspects of live performance is an irreplaceable experience. Performance-Based Theatrical Expression will allow students to explore a wide range of theatrical pieces and styles. Students will be expected to participate in live University of Great Falls theater performances as either actors or crew. Prerequisite: None, Rotation to be determined, 3 credits

ENG 209 Introduction to Creative Writing: In this course, students will learn strategies for developing their skills and techniques in writing fiction, poetry, and creative nonfiction. In addition to reading each other's works-in-progress and providing helpful revision comments, students will study work by established writers, thinking about how these authors respond to literary traditions while also seeking to break new creative ground. Through the use of techniques such as imagery, voice, character, setting, development, and revision, this course introduces basic skills and structures for students interested in a general knowledge of creative writing, and helps to prepare the committed student writer for further study in the field. No prior experience in creative writing is necessary. Prerequisite: None, Rotation to be determined, 3 credits

MUS 110 Appreciation of Western Music: will examine the development of Western civilization through the point of view of musical expression. The course is concerned with the interaction of music with man's history and culture. Students will become familiar not only with a variety of musical works & styles from the past, but also with the various social, cultural, political, and economic forces that shaped the diverse musical history of selected historic eras. Prerequisite: None, Rotation to be determined, 3 credits

MUS 115 Musical Expression through Performance: course allows students to gain the knowledge and confidence to perform a wide range of styles on their preferred performance medium. Students will be required to take private instruction either vocally or on their instrument of choice. Students will also be expected to participate in a University ensemble, and complete their participation in this course through a performance seminar which will include all students enrolled in this course. This is a three-legged stool that insures students will have the opportunity to delve into the full range of the performance experience and fulfill the vision for the core of insuring students receive a well-rounded liberal arts education.

Humanities:

ENG 215 Introduction to Literary Studies: Literature is one of the primary ways that a culture speaks back to itself about its own values and beliefs, wrestles with its most pressing questions, and attempts to envision its own future. In this course, students will develop the critical and analytic skills to read and respond to literature that speaks to contemporary culture. With readings from a variety of genres such as poetry, drama, fiction, artistic nonfiction, and film, students will explore components of literary meaning such as personal reaction, historical influences, traditional form, and artistic language. By studying and applying different critical and theoretical approaches to literature, students will develop their skills at finding literary meaning that is relevant to their lives. Prerequisite: None, Rotation to be determined, 3 credits

HST 110 Contemporary Issues in History: Demonstrates the relevance of the discipline of History by examining the historical development of three or more contemporary issues. Students will become familiar with relevant historical characters and events, the historiography of the selected issues, methods of historical study and the relevance of historical thinking to everyday life. Prerequisites: None, Rotation to be determined, 3 Credits

PHL110 Introduction to Western Philosophy: Explores the humanist tradition in the West and the relevance of basic philosophical investigation to our contemporary lives through the investigation of major thinkers and their texts from ancient times to the present day. Prerequisites: none, Rotation to be determined, 3 credits

PHL 210 Thinking Logically: Develops proficiency in an essential skill for the modern world the application of logical methods to thinking and self-expression in both oral and written communication. The course also provides insights into the underlying principles of reason, analysis, argumentation, and scientific synthesis and their application to judging claims made by advertisers, social and political commentators, scientists, civic leaders and others. Prerequisites: none, Rotation to be determined, 3 credits

TRL 110 Christianity and World Religions: Provides a student with an understanding of the major world religions in terms of their beliefs and practices. This course will examine these other religions through the interpretive lens of Christianity and show Christianity is engaged with followers of other faiths in seeking the global common good. Particular emphasis will be placed on the practical aspects of knowledge of major world religions for understanding the complex nature of the world and geopolitical issues that are influenced by religious belief. Prerequisites: none, Rotation to be determined, 3 Credits

Social Sciences:

ACC 110 What the Numbers Mean: Accounting is the language of business. Financial statements result from the accounting process and are used by owners/investors, employees, creditors, regulators, and others in the planning, controlling, and decision making activities. This course takes the student through the basics: what accounting information is, how it is developed, how it is used, and what it means. An examination of financial statements to learn what they do and do not communicate, aimed at enhancing the student's decision-making and problem-solving abilities from a user perspective. The course will not focus on the mechanicals aspects of the accounting process. The course will benefit anyone involved in the process of grant writing and budget preparation and monitoring and assist the students in personal finance, such as applying for a loan to purchase a home and managing investments. Rotation to be determined, 3 credits

BUS 110 Financial Health: Course introduces students to the study of financial principles through the examination of their personal financial health. Among the subjects covered will be spending patterns, use of credit cards and loans, and how to develop investing strategies. Practical assignments will include building a personal financial plan and exercises in making informed financial decisions affecting the students' futures. Rotation to be determined, 3 credits

GOV 110 We, The People: An Introduction to Political Science: Course provides students with tools to understand politics in the United States and other countries as well as gain insight into international relations. The course illustrates what political scientists know about politics, how political scientists study politics, and how this knowledge and these techniques are relevant in the 21st Century. Rotation to be determined, 3 credits

HPE 110 Wellness Perspectives: Course examines the past, present and future trends in human wellness in order to gain an understanding of what motivates people to take care of their health. Offered in an experiential and interactive format students taking the course will be asked to participate in, and observe, health enhancing activities as well as reflect on these experiences from a physical, psychological, sociological, aesthetic, and ethical perspective. Age old questions, the individual's relationship with the environment will be examined to enhance the students' understanding of the mind/body relationship. Rotation to be determined, 3 credits

PSY 110, Understanding People: An Introduction to Psychology: This course explores behavior and thinking. Students will explore the scientific world of psychology by looking at a broad range of issues. Some of the issues covered in the course will be: the causes of human behavior, an assessment of the amount of behavior that is inherited, the effect that parents actually have on their children, how the brain works, how psychological disorders develop, how psychological problems can be successfully treated, whether humans are naturally aggressive, what love is, and why people sometimes behave in ways that are prejudiced and discriminatory. Students will critically analyze the research in these areas and will apply the findings to their world. Prerequisites none, Rotation to be determined, 3 credits

SOC 110, The Real World: An Introduction to Sociology: This course is a contemporary cruise through the discipline of sociology. Students will develop their sociological imagination through the journey into social foundations, dynamics, and inequalities. Real world applications in the study of people and their relationships in groups and institutions; human societies, their development and change; and the effect of social patterns on the behavior of individuals and groups will enhance the learning experience. Prerequisites: None, Rotation to be determined, 3 credits

Experimental Sciences:

BIO 110, The Living Environment: All living things share certain characteristics and requirements. Though non-living things may exhibit one or more of these characteristics, living things exhibit them all. This course will give students deeper insight and appreciation of how fundamental science concepts are used in emerging research and discoveries in the life sciences. Science is a clearly defined process. Both laboratory and science process skills are developed through hands-on activities and discussion contributions. Students will gain an understanding of science as a way to serve human needs and solve human problems. Prerequisites: none, Rotation to be determined, 4 credits

BIO 115, Environmental Ecology: An interdisciplinary study for both science and non-science majors interested in the interconnection between human society and the natural world as they have developed over time. Based on an understanding of ecological concepts and principles, students examine lifestyle issues and critically analyze the relationship among populations, natural resources, land use, agriculture, biodiversity, industrialization and pollution. Environmental problems are examined from scientific, ethical, economic and sociological perspectives to enable students to understand the relevance of biology to contemporary issues in human society. Prerequisites: none, Rotation to be determined, 4 Credits

CHM 110, Chemistry in Context: Elementary treatment of principles of general and organic chemistry for non science majors. This is a non-science majors course designed to help the student acquire a wide and general view of science through chemistry and to reflect the significant role chemistry in environmental science, medicine, forensics, industry and technology. Prerequisites: none, Rotation to be determined, 4 credits

GSC 110, Contemporary Physical Sciences: Course uses the scientific method to understand and make decisions involving the realms of science, including topics and applications from astronomy, geology, chemistry, physics, oceanography, paleontology, meteorology, the biological sciences, forensic sciences, and the history of science. Students will develop proficiency in applying logical and analytical methods in designing experiments (including replicating some of the great experiments of history), manipulating data, analyzing results, and drawing valid conclusions. Communication of results and conclusions will be stressed in both oral and written form. Prerequisites, none, rotation to be determined, 4 credits.

SCS 210, Exploring the Social World: Students will utilize the scientific method to study humans in their natural environment. Different types of qualitative and quantitative research designs and methodologies will be presented and used. Students will develop research plans and designs, and then use appropriate data collections modes such as observations, experiments, and surveys. Students will then have the opportunity to analyze this data. The course will provide a grounding in statistical practices. Concepts, principles, and methods of statistics from two perspectives, descriptive and inferential, will be presented and used. Statistical topics include describing and displaying data, measures of central tendency and dispersion, standard scores and distributions, correlation, simple-linear regression, mean comparisons, analysis of variance, and chi-square. Expected to be offered: Rotation to be determined, 4 credits

Travel option – students may complete the “Exploring the Liberal Arts” requirements through travel courses. If the course is intended only for students completing Core requirements it will be designated TRV 110, A, S, H, or E depending upon which area (Fine Arts, Social Sciences, Humanities or Experimental Sciences) it fulfills. If the course is intended to accommodate both students full filling Core requirements and students completing major requirements the course will be designated by the appropriate department and number with a section designation T (e.g. ACC 292 T Japanese Business Practices) Such courses may have a limited number of sessions prior to travel at the professor’s discretion. The travel portion of the course will normally take place during breaks with-in and between semesters.