

FDLTCC CITS Courses Offered

ANSH 1001- Introduction to Anishinaabe Language 4 credits

This course will introduce students to the Anishinaabe Language. Conversational writing skills will be learned leading to an oral presentation. Analysis of sentence structure will be utilized in attaining an understanding of the complexity and beauty of the Anishinaabe Language. Students will write and speak simple sentences. (Meets MnTC goal areas 6 and 8).

ANSH 1002*- Anishinaabe Language II 4 credits

This course will continue to reinforce the conversational and written skills which began in ANSH 1001. New vocabulary, grammatical concepts and utilization of acquired skills will be emphasized. (Prerequisite: ANSH 1001) (Meets MnTC goal areas 6 and 8).

ART 1095- Digital Photography 3 credits

An introductory course emphasizing digital camera function and simple image editing. Basic concepts of photography such as the use of light and shadows, composition and visual literacy will be explored. Image editing software will be used to edit and enhance pictures. Students must possess basic knowledge of computer function. (Meets MnTC goal area 6).

BIOL 1005 Medical Terminology 1 credit

A self-contained on-line tutorial program designed to enhance basic word attack skills and medical vocabulary for students and workers in the allied health sciences. This course will provide a foundation of basic medical terms, which are created by adding prefixes and suffixes to root words. The course will include terminology used in anatomy and physiology, body systems and appropriate abbreviations for common medical terms.

BIOL 1060- Environmental Science 4 credits (3 lecture, 1 lab)

This course will focus on basic concepts in biology, ecology, and the scientific method. In addition, students will develop the ability to discuss the scientific basis of environmental issues and investigate potential solutions. Local ecosystems, organisms, and environmental issues will be used to develop an environmental literacy for students in this course. (Meets MnTC goal areas 3 and 10).

BIOL 1101- General Biology I 4 credits (3 lecture, 1 lab)

Fundamental concepts of biology, including chemical basis of life, cell structure and function, energy transformations, photosynthesis, cellular respiration, genetics, molecular biology, DNA technology, development, origin of life, and evolution. (Meets MnTC goal area 3).

BIOL 1102*- General Biology II 4 credits (3 lecture, 1 lab)

Fundamental concepts of biology including classification and diversity of life, anatomy, physiology, and development of prokaryotes, protists, fungi, animals, and plants; behavior; population, community, and ecosystem ecology. (Meets MnTC goal area 3) (Prerequisite: BIOL1101 or consent of instructor).

BIOL 2020* Human Anatomy and Physiology I 4 credits (3 lecture, 1 lab)

Structural and functional aspects of selected human body systems with a strong emphasis on laboratory dissection and study. Designed for students majoring in nursing and health related sciences as well as physical education and liberal arts. (Meets MnTC goal area 3) (Prerequisite: BIOL 1101 or BIOL 1001 or consent of instructor).

BIOL 2021*- Human Anatomy and Physiology II 4 credits (3 lecture, 1 lab)

Structural and functional aspects of selected human body systems with a strong emphasis on laboratory dissection and study. Designed for students majoring in nursing and health related sciences as well as physical education and liberal arts. (Meets MnTC goal area 3) (Prerequisite: BIOL 2020 or consent of instructor).

BUS 1080 Personal Finance 3 credits

An overview of personal and family financial planning with an emphasis on financial record keeping, planning your spending, tax planning, consumer credit, making buying decisions, purchasing decisions, purchasing insurance, selecting investments, and retirement and estate planning.

CAOR 1005 Career Exploration 1 credit

Effective career decision making and life planning requires skills. In this course, students will learn about their interests, values, and abilities and how these elements are related to a career choice. Techniques for researching occupations will be taught as well as skills for effective decision making and goal setting.

CHEM 1010 General Chemistry I 5 credits (4 lecture, 1 lab)

This is an in depth study of the principles of inorganic chemistry with emphasis on atomic structure, molecular structure, periodic properties, chemical nomenclature, stoichiometry, chemical bonding, the mole concept, and chemical reactions. (A working knowledge of basic algebra is recommended) (Meets MnTC goal area 3).

CHEM 1011 General Chemistry II 5 credits (4 lecture, 1 lab)

This is an in depth study of the principles of inorganic chemistry with emphasis on modern atomic theory, chemical bonding, molecular geometry, gas laws, solution chemistry, acids and bases, chemical equilibrium, electrochemistry, nuclear chemistry, and an introduction into organic chemistry. (A working knowledge of basic algebra is recommended) (Meets MnTC goal area 3).

ECON 2020 Principles of Economics-Macroeconomics 3 credits

This course focuses on the economy as a whole including supply and demand, national income analysis, inflation, unemployment, fiscal policy and analysis of other macroeconomic problems. (Meets MnTC goal areas 5 and 8).

ENGL 1101*- College Composition 3 credits

College Composition is a first semester freshman composition course which focuses on college-level writing. This course immediately addresses an essential academic skill, the ability to communicate ideas in written form. This course will provide you with academic skills and intellectual habits you will need throughout your academic career. (Prerequisite: Appropriate Accuplacer, ACT or MCA score or consent of instructor) (Meets MnTC goal area 1).

ENGL 1102*- Advanced College Composition 3 credits

Advanced Composition is a second semester freshman composition course that focuses on writing effective arguments and academic papers. Emphasis will be placed on the in-depth research paper, with attention paid to both MLA and APA styles. (Prerequisite: Passing Grade in ENGL1101 College Composition) (Meets MnTC goal area 1).

ENGL 1110*- Introduction to Literature 3 credits

In this introductory survey course, students will read, discuss and write critically about a variety of literary texts: essays, memoir, poetry, short stories, novels and/or plays. Students will study a broad range of historical periods and location, including British, American and perhaps even global literature. (Prerequisite: ENGL1101)(Meets MnTC goal area 6).

ENGL 2010* Reading & Writing the Short Story 3 credits

Reading and Writing the Short Story is the study of the short story as a specific artistic genre with attention given to fictional elements that enable each story to achieve its purpose. In addition, each story is read as a unique literary statement that affords a special vision of human experience. Students will explore this genre not only as readers but also as writers, having the opportunity to compose their own creative work during the semester. (Meets MnTC goal area 6 and 7) (Prerequisite: ENGL 1101).

GEOG 1020 Cultural Geography 3 credits

This course provides a systematic study of spatial patterns concerning the cultural elements of geography including cultural diversity, population, migration, agriculture, industrialization, urbanization, and the distribution of resources. (Meets MnTC goal areas 5 and 8).

GEOG 1040 World Regional Geography 3 credits

This course provides a geographical study of world regions with emphasis on internal spatial patterns and the interrelations of regions. (Meets MnTC goal areas 5 and 8).

GEOL 1001- Introductory Geology 4 credits (3 lecture, 1 lab)

An introduction to the structure and evolution of the earth and its landforms, including the study of minerals and rocks, volcanic activity, earth quakes, and the theory of plate tectonics. The geology of Minnesota is emphasized. (Meets MnTC goal area 3).

HIST 1011- History of Western Civilization II 4 credits

This course examines the history of western civilization from 1776 to the present. The scope of the course includes economic, social and political developments. Topics include: political and economic revolution, the industrial age, the world wars and the cold war. (Meets MnTC goal areas 5 and 8).

HIST 1030 History of United States I 4 credits

This course examines the history of the United States to 1876. The scope of inquiry includes economic, social and political developments. Topics include: the colonial era, foundation of the American Republic, westward continental expansion and the Civil War. (Meets MnTC goal area 5).

HIST 1031- History of the United States II 4 credits

This course examines the history of the United States from 1876 to present. The scope of inquiry includes economic, social and political developments. Topics include: industrialization, the depression and New Deal, the world wars and the cold war. (Meets MnTC goal area 5).

LAWE 1001- Introduction to Criminal Justice 3 credits

An analysis of the criminal justice system in the United States, including criminal law and the roles and relationships of agencies of crime and delinquency prevention, police, courts, and corrections.

MATH 1010*- College Algebra 3 credits

The real numbers, first degree equations and inequalities with word problem applications and linear graphs. Second degree equations and inequalities in one and two variables with the quadratic formula and graphs. Relations, functions, absolute value, and variation. Exponential and logarithmic functions with applications. Polynomial equations and complex numbers. Systems of equations and inequalities. (Meets MnTC goal area 4). (Prerequisite: MATH0030 or placement by Accuplacer or permission of instructor).

MATH 1015*- Trigonometry 2 credits

Study of angles in degree and radians; trigonometry functions of angles in a coordinate system and in triangles; solutions of triangles and applications; solutions of trigonometric identities and equations; graphs of the trigonometric functions and inverses. (Meets MnTC goal area 4). (Prerequisite MATH 0030 or equivalent).

MATH 1020*- Calculus: Short Course 3 credits

A brief survey of calculus; Students will review real numbers, graphing, and functions. Core material includes limits, continuity, differentiation and integration. Applications of differentiation include minimizing/maximizing cost, profit, and revenue functions. Students will learn applications of the integral with respect to the physical, social, and behavioral sciences and use exponential and logarithmic functions to explore growth, decay, and population models. Students planning to enroll in more than one semester of calculus should begin with MATH 2001. (Prerequisites MATH 1010, placement by Accuplacer, or instructor consent.).

MATH 1030*- Introduction to Statistics 3 credits

An introduction to statistics suitable for social and behavioral science majors, but also suitable for students in other disciplines. Topics include statistical theory and experimental design, descriptive statistics, probability distribution models, regression analysis and correlation, inference, and sampling methods. (Meets MnTC goal area 4). (Prerequisite: MATH 0020 or placement by Accuplacer or permission of instructor)

MATH 2001*- Calculus I 5 credits

The two semester calculus sequence is designed for mathematics, computer science, engineering, and natural sciences majors. An introduction to basic differential and integral calculus: limits, derivatives and applications, integration and applications. (Meets MnTC goal area 4) (Prerequisite: MATH 1010 and MATH 1015 or placement by Accuplacer or instructor permission).

MUSC 1040- Fundamentals of Music Theory 2 credits

This course is for the student interested in acquiring the basic knowledge of Music Theory. The basic concepts of rhythm, melody, and harmony are studied, as well as chord inversions, altered chords, simple forms, and cadences. Students are introduced to the playing of instruments such as the recorder and piano. Students planning to major in Elementary Education must take this course to fulfill the requirements for an Elementary Education degree. Music majors and minors will need to take this course in sequence with Music 1041.

PHYS 1001*- Introduction to Physics I 4 credits (3 lecture, 1 lab)

An algebra-based general physics course designed for pre- professional and non-engineering majors. Concepts in mechanics, electricity, magnetism, heat, light, sound, and modern physics will be explored through extensive laboratory activities. (Meets MnTC goal area 3) (Prerequisite: high school Higher Algebra or consent of instructor).

PHYS 1002*- Introduction to Physics II 4 credits (3 lecture, 1 lab)

An algebra-based general physics course designed for pre- professional and non-engineering majors. Concepts in mechanics, electricity, magnetism, heat, light, sound, and modern physics will be explored through extensive laboratory activities. (Meets MnTC goal area 3) (Prerequisite: high school Higher Algebra or consent of instructor).

POLS 1010- American Government 3 credits

A study of the structure and function of the national government of the United States. The course examines the Presidency, Congress, and federal courts as well as the impact of interest groups, political parties, and the media upon government. (Meets MnTC goal area 5).

PSYC 2001- General Psychology 4 credits

An introduction to the scientific study of human behavior: history, background and methods, development, perception, learning, thinking, motivation, emotion, intelligence, personality adjustment, mental health, and social psychology. (Meets MnTC goal area 5).

SPCH 1010- Public Speaking 3 credits

This course provides students the opportunity to develop and/or enhance their public speaking skills in both formal and informal contexts. With a focus on extemporaneous delivery, students will learn to organize, outline, research, prepare, and deliver introductory, ceremonial, informative, and persuasive speeches. Impromptu, manuscript and group discussion deliveries will also be practiced. The course will include techniques to minimize stage fright, analyze audiences and develop culturally inclusive speaking styles. (Meets MnTC goal area 1).

SPCH 1030- Intercultural Communication 3 credits

This course intersects culture and interpersonal communication. The course provides opportunities for the acquisition and enhancement of interpersonal communication skills specific to communicating across various cultural contexts. Examining both culture generals and culture specifics, students learn how culture provides individuals with different worldviews, beliefs, attitudes and values, and examines how this creates difficulties in the intercultural/multicultural communication process. This course is designed to cultivate, promote and increase awareness appreciation, understanding, and communication competence with people outside one's immediate culture. (Meets MnTC goal areas 7 and 8).