

Course Descriptions

ENGL1101 College Writing I 3 3/0/0

Meets MNTC Goal Area 1. College Writing is an introductory writing course for the Associate in Arts degree, designed to prepare students for later college and career writing. The course focuses on developing fluency through a process approach, with particular emphasis on rewriting and revision. Students will consider purpose and audience, read and discuss writing, and further develop their own writing processes through successive revisions to produce polished drafts. Course work will include an introduction to argumentative writing, writing from sources, and a short research project. Prerequisite(s): Placement by assessment

ENGL1220 Professional & Technical Writing 3 3/0/0

Meets MNTC Goal Areas 1 and 2. This course provides instruction in writing and designing professional and technical documents, including correspondence, descriptions, instructions, reports, and proposals, along with promotional material. Analysis, critical thinking, and synthesis of sources will be covered. Course work also includes a formally documented, multi-source professional paper. Prerequisite(s): ENGL1101

SPCH1114 Intro to Public Speaking 3 3/0/0

Meets MNTC Goal Area 1. This course clarifies the process of oral communication, clarifies the basic principles of public speaking, and allows the student to increase the application of these principles both while speaking and while listening. Prerequisite(s): Assessment into ENGL1101 or successful completion of ENGL0050

SPCH1150 Interpersonal Communications 3 3/0/0

Meets MNTC Goal Area 1. This course will focus on helping the student improve his/her ability to communicate effectively in one-to-one dyadic encounters by providing experience based instruction. Extensive in-class out-of-class analyses allow the student to examine his/her own and other's informal social interactions. The long-term goal is for the student to be able to apply interpersonal communication theories to daily interactions and draw his/her own conclusions about the effectiveness of interpersonal communication skills in the specific interaction. Prerequisite(s): Assessment into ENGL1101

CHEM1100 Fund Concepts Chemistry 3 2/1/0

Meets MNTC Goal Areas 2 and 3. Course deals with substances, their structures and properties, the changes they undergo, and the laws that govern those changes. Intended for prospective elementary teachers, non-science majors, and those who need background for General Chemistry. Prerequisite(s): MATH0090 or assessed into MATH1020 /1114.

PHYS1101 Physics & Environment 3 2/1/0

Meets MNTC Goal Areas 2, 3, and 10. This course presents an introduction to the physical characteristics of the earth system and the many systems humanity has developed to support our current technological society. We will also discuss some of the problems that arise when the needs of our human systems and those of the larger earth system we inhabit come into conflict with each other. We will examine the effects of past and present changes in the earth system and the question of predicting future changes. Prerequisite(s): MATH1020 or equivalent competency

MATH1114 College Algebra 4 4/0/0

Meets MNTC Goal Areas 2 and 4. Rational and polynomial functions, exponential and logarithmic functions, inverse functions, quadratic equations, inequalities, matrices, progressions, complex numbers, theory of equations and variations, and linear equations in one, two and three unknowns. Prerequisite(s): MATH1020 or by placement test

MATH1213 Intro to Statistics 4 4/0/0

Meets MNTC Goal Areas 2 and 4. This course is designed to be an introduction to statistics. Topics include data summary, frequency distributions, plots, graphs, measures of central tendency, variation, probabilities, probability distributions, and confidence intervals. Hypothesis testing of means, proportions, and variances will be conducted using the z-test, t-test, chi-square-test, f-test, and ANOVA. A study

of nonparametric statistics, sampling and simulation may also be included. Prerequisite(s): MATH1020 or by placement test

ECON2210 Macroeconomics 3 3/0/0

Meets MNTC Goal Area 5. This course is divided into two main sections. They are, first, Macroeconomic Basics, which will provide the student with a means to study economic principles as they relate to determinants of national income, national income accounting, business cycles, unemployment, inflation, and aggregate expenditures. These topics provide a foundation for expanded learning later in the course. The second section is macroeconomic policy. This section will take the knowledge gained from the earlier units and use it to gain further understanding in the areas of fiscal policy, financial markets, money and banking, monetary policy, international policy, and the varying viewpoints that have evolved throughout history including the Keynesian and Monetarist schools of thought, among others. No Prerequisite

ECON2222 Microeconomics 3 3/0/0

Meets MNTC Goal Areas 5 and 9. The second semester of the economic sequence stresses "microeconomics" and the concepts of scarcity, production possibilities, supply and demand curves, elastic and inelastic goods and services, competition, monopolies and oligopolies, and poverty and income distribution in the United States. Prerequisite(s): ECON 2210 is recommended

PSYC1200 General Psychology 3 3/0/0

Meets MNTC Goal Areas 5 and 9. This is a comprehensive introductory overview of psychology that studies human behavior and mental processes. Topics include research methods, the history of psychology, theories of human behavior, the physiological basis of behavior, sensation, perception, behavioral learning, memory, problem solving, language development, personality theory, intelligence, the influence of groups on the behavior of individuals, and altered states of consciousness such as sleep and dreams. No Prerequisites

SOC1111 Intro to Sociology 3 3/0/0

Meets MNTC Goal Areas 2, 5, and 7. This course is an introduction to the study of societies and of the social factors that influence individual and group behavior. The course incorporates sociological and other critical thinking models for the investigation of various components of social life: culture, socialization, social organization, social stratification, social institutions, populations dynamics, and social change. No Prerequisites

ENGL2230 Environmental Literature 3 3/0/0

Meets MNTC Goal Areas 2, 6, and 10. This course will focus on selected readings that will enable students to define "environment." Readings will include personal, expository, and argumentative essays and articles; technical reports; legislative and judicial actions; fiction and poetry which reflect the increasingly global focus of environmental concerns. Writing activities will allow students to explore informal writing, personal essays, argumentative papers, and research projects. Students will gain experience in reading critically and in writing logical, sound papers that deal with environmental issues. Prerequisite(s): ENGL1101

HUM2236 Technology in the Humanities 3 3/0/0

Meets MNTC Goal Areas 2, 6 and 8. Developments in the arts, architecture, science, philosophy, education and studies in human interaction are often provoked by changes in technology. Early changes in military technology made it possible for civilizations to take charge of various places on the world's stage. However, over time, changes in how the world was understood, motivated by general advances in global exploration, astronomy and other sciences, as well as specific inventions such as moveable type, proved even more instrumental in driving people to new and different understandings of what it means to be human. This course explores how technology impacts developments in a culture's world view and tries to anticipate how future changes in technology might alter the course of otherwise established ways of life. No Prerequisites