Curriculum Changes to General Studies – Fall 2015

ENG 104 College Writing and Rhetoric (3) F, Sp, Su. Instruction in reading and writing; emphasizes expository prose. Fulfills first half of the general studies requirement in English composition. Prerequisite: A grade of C or higher in RDG095, or an ACT Reading score of 18 or higher, or a passing score on the Accuplacer test. In addition, a grade of C or higher in ENG100, or an ACT English score of 18 or higher, or a passing score on the Writing Placement Examination. (See placement testing information on department website.)

- English ACT decreased from 19 to 18
- Added RDG095 as a prerequisite or a Reading ACT of 18 or an Accuplacer requirement (85)

BIO 105 Principles of Organismal Biology (4) F, Sp. Examines basic concepts and principles related to organismal morphology and homeostasis of representative organisms. Three hours lecture and three hours lab per week. Prerequisites: ACT math score of 22 or higher or the equivalent, ACT English score of 18 or higher or the equivalent, and ACT reading score of 18 or higher or the equivalent. LAS Writing.

- Math ACT increased from 20 to 22
- English ACT decreased from 19 to 18
- Reading ACT decreased from 19 to 18

CHE 111 General Chemistry (5) F, Sp. Basic concepts of chemistry: atomic theory and periodic system, chemical calculations, oxidation-reduction, states of matter, theory of chemical bonding, atomic structures. Four hours lecture, three hours lab. Prerequisite: Math ACT of 22 or higher or the equivalent.

- Math ACT increased from 20 to 22

MAT 110E Contemporary Problem Solving (3) F, Sp, Su. Mathematics for solving selected real-world problems using elementary graph theory, data analysis, techniques of decision making, and the mathematics of finance. Same as MAT110. Prerequisite: ACT math subscore of at least 18 OR a sufficient score on math placement exam OR departmental approval. Must be taken concurrently with MAT099.

- Add as general studies course

MAT 110 Contemporary Problem Solving (3) F, Sp, Su. Mathematics for solving selected real-world problems using elementary graph theory, data analysis, techniques of decision making, and the mathematics of finance. Same as MAT110E. Prerequisite: ACT math subscore of at least 22 OR a sufficient score on math placement exam OR departmental approval.

- Math ACT increased from 20 to 22
MAT 112 Finite Mathematics (3) F, Sp. Linear and quadratic equations, graphs, and functions including exponential and logarithmic functions; mathematics of finance, annuities, sinking funds and mortgages; linear programming; counting methods, probability, expectation; descriptive statistics. Not open to the student with credit in MAT165 or MAT167. Prerequisite: ACT math score of 22 or higher or the equivalent.

- Math ACT increased from 20 to 22
- Removed “or the equivalent” in prerequisite and added “sufficient score on math placement exam or departmental approval”

MAT 116 College Algebra (3) F, Sp, Su. Linear, quadratic, and miscellaneous equations and inequalities; relations and functions including polynomial, exponential, and logarithmic functions; graphing; systems of equations; and matrices. Not open to the student with credit in MAT165 or MAT167. Prerequisite: ACT math score of 22 or higher or the equivalent.

- Math ACT increased from 20 to 22
- Removed “or the equivalent” in prerequisite and added “sufficient score on math placement exam or departmental approval”

MAT 165 Calculus with Analytic Geometry I: Differentiation

- Added as general studies course

PHY 107 Introduction to Physics (4) Sp. A comprehensive, quantitative study of the concepts and laws of physics. Designed for students majoring in fields other than the physical sciences, mathematics, or engineering. Topics include motion, gravity, electromagnetism, atomic and nuclear physics, optics, and relativity. Three hours of lecture, two hours lab. Not open to the student with credit in PHY110 or PHY210. Prerequisite: ACT math score of 22 or higher or the equivalent.

- Math ACT increased from 20 to 22